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ABSTRACT

This factbook is a compilation of data from secondary sources such as the American Medical Association and the Federal Bureau of Labor Statistics. It includes information on the supply of health personnel in several disciplines, including physicians, physician assistants, podiatrists, dentists, nursing personnel, optometrists, pharmacists, veterinarians, chiropractors, public health personnel, and allied health personnel. It also presents data on the students preparing to enter those disciplines. The factbook also includes the geographic and specialty distributions of selected health personnel and the participation of minorities and women in health professions schools. (Contains 71 tables.) (EV)

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ED 449 695

United States

Health Workforce Personnel

FACTBOOK

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HRSA
Health Resources & Services Administration

U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES
Health Resources and Services Administration
Bureau of Health Professions

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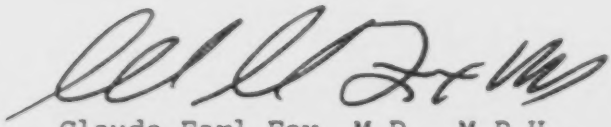
FORE

The Health Resources and Services Administra
leadership to improve the education, distri
required to meet the Nation's health care nee
care delivery system, the Bureau must have t
meet its workforce goals and objectives. Thr
Information and Analysis, the Bureau collects
supply, and distribution of the health care w

The **United States Health Workforce Personnel F**
sources, such as the American Medical Ass
Statistics. It includes information on
disciplines, from physicians, dentists, an
chiropractors and physician assistants, and
disciplines. Also, included are the geogra
health personnel, and the participation of
schools.

The **Factbook** enables the Bureau to widely d
health professions data. Federal, State an
professional organizations, and health pla
information contained within. This publicati
those, both within and outside the Bureau, who



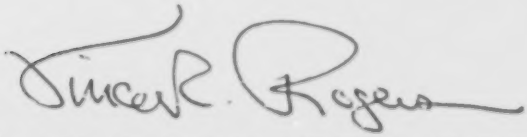
Claude Earl Fox, M.D., M.P.H.
Administrator
Health Resources and Services
Administration

EWORD

ation's Bureau of Health Professions provides
bution, utilization and quality of personnel
eds. In this era of rapid change in the health
imely and accurate health professions data to
rough its National Center for Health Workforce
and disseminates information on the training,
workforce.

Factbook is a compilation of data from secondary
sociation, and the Federal Bureau of Labor
the supply of health personnel in several
d nurses to alternative providers such as
d on the students preparing to enter those
phic and specialty distributions of selected
minorities and women in health professions

isseminate the most timely and comprehensive
d local officials, educational institutions,
anners and researchers continually request
on should prove to be a valuable resource for
o are involved in health care workforce issues.



Vincent C. Rogers, D.D.S., M.P.H.
Associate Administrator for
Health Professions

The **United States Health Workforce Personnel Fa**
sources on students and practitioners in the
workforce data on physicians, physician assista
optometrists, pharmacists, veterinarians, chi
health personnel. Education-related data for
Although every effort has been made to select
that by the time of publication some data ite

The tables were compiled from many sources whi
educational associations, and other federal
FACTBOOK are compiled from secondary sources,
frequency and the amount and type of informati
much more detail than others. For example, geo
for physicians, dentists, nurses, and physicia
practice specialization are only presented for
FACTBOOK a more comprehensive document, we e
data for consideration and/or inclusion in fu

The **FACTBOOK** was prepared in the Bureau of H
D.D.S., M.P.H., Associate Administrator for
Evelyn Christian, Statistician, National Cente
(NCHWIA) of BHPr's Office of Research and Plan
Principal contributions were made by Mr. St
NCHWIA, ORP and Mr. William Spencer, Statisti

UCTION

actbook is a compilation of data from secondary
e health professions. The **FACTBOOK** presents
ants, podiatrists, dentists, nursing personnel,
ropractors, public health personnel and allied
most of these occupations are also included.
t the most useful and recent data, we realize
ms may not be as up to date as others.

ich include various professional associations,
agencies. Since the data displayed in the
whose data collection activities vary in the
ion collected, some occupations are covered in
ographic distribution tables are presented only
an assistants. Also, data describing areas of
physicians and registered nurses. To make the
ncourage comments, suggestions and additional
ture editions.

Health Professions (BHPr), Vincent C. Rogers,
Health Professions. It was produced by Ms.
r for Health Workforce Information and Analysis
nning (ORP), Marilyn Biviano, Ph.D., Director.
uart Bernstein, Operations Research Analyst,
cian, Division of Nursing, BHPr.

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RATIOS, SELECTED YEARS

HEALTH OCCUPATION	1970	1975	1980	1985	1990
	NUMBER				
Physicians	323,800	380,400	453,100	533,600	601,700
Allopathic (MD) 1/	311,200	366,400	435,500	511,100	572,700
Osteopathic (DO) 2/	12,600	14,000	17,600	22,500	29,000
Dentists	96,000	107,100	121,900	133,500	147,500
Optometrists	18,400	19,900	21,900	24,000	26,000
Pharmacists	112,600	121,800	142,400	153,500	166,700
Veterinarians	25,900	31,100	36,500	42,600	48,700
Registered Nurses	750,000	961,000	1,272,900	1,538,100	1,789,600
	PRACTITIONERS PER 100,000 POPULATION				
Physicians	155.6	173.5	195.9	220.5	237.6
Allopathic (MD)	149.6	167.1	188.3	211.2	226.1
Osteopathic (DO)	6.1	6.4	7.6	9.3	11.5
Dentists	46.5	49.3	53.2	55.7	58.7
Optometrists	8.9	9.2	9.6	10.0	10.3
Pharmacists	54.5	56.1	62.2	64.1	66.3
Veterinarians	12.5	14.3	15.9	17.8	19.4
Registered Nurses	366.0	449.0	555.0	640.0	710.0

NOTE: MD data for 1990 are as of January 1. Data for all other years are as of

1/ The numbers of active MDs include those MDs whose activity status is not cla
2/ 1970 data estimated using 1975 proportion of listed DOs to active DOs.

SOURCE: Data estimated by Health Resources and Services Administration, Bureau

PERSONNEL AND PRACTITIONER-TO-POPULATION
1970-1996

1995	1996	PERCENT CHANGE 1970-1996	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	1995-1996
681,700	701,200	116.6	17.5	19.1	17.8	12.8	13.3	2.9
646,000	663,900	113.3	17.7	18.9	17.4	12.1	12.8	2.8
35,700	37,300	196.0	11.1	25.7	27.8	28.9	23.1	4.5
153,300	154,900	61.4	11.6	13.8	9.5	10.5	3.9	1.0
28,900	29,500	60.3	8.2	10.1	9.6	8.3	11.2	2.1
182,300	185,000	64.3	8.2	16.9	7.8	8.6	9.4	1.5
55,400	56,700	118.9	20.1	17.4	16.7	14.3	13.8	2.3
,115,800	2,161,700	188.2	28.1	32.5	20.8	16.4	18.2	2.2
		PERCENT CHANGE						
255.1	260.0	67.1	11.5	12.9	12.5	7.8	7.4	1.9
241.8	246.1	64.6	11.7	12.7	12.1	7.1	6.9	1.8
13.4	13.8	128.4	5.4	19.2	22.2	23.2	16.7	3.5
58.0	58.1	24.9	6.1	7.9	4.6	5.3	-1.2	0.2
10.9	11.1	24.1	2.9	4.4	4.7	3.3	5.7	1.2
68.9	69.4	27.2	2.9	10.9	3.0	3.5	3.9	0.6
21.0	21.3	69.4	14.2	11.3	11.5	9.0	8.1	1.5
798.0	808.0	120.8	22.7	23.6	15.3	10.9	12.4	1.3

December 31.

ssified by the American Medical Association.

of Health Professions.

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TABLE 102. FIRST-YEAR ENROLLMENTS IN S
SELECTED ACADEMIC YEAR

HEALTH OCCUPATION	NUMBE 1970-1971	1975-1976	1980-1981
MEDICINE			
ALLOPATHIC (MD)	11,348	15,295	17,186
OSTEOPATHIC (DO)	623	1,038	1,496
PODIATRIC MEDICINE 1/	351	641	695
DENTISTRY	4,565	5,763	6,030
OPTOMETRY 2/	884	1,057	1,258
PHARMACY 3/	5,694	8,710	7,377
VETERINARY MEDICINE	1,430	1,712	2,239
NURSING (RN)	78,524	112,174	110,201

	P 1970-1971 TO 1996-1997	1970-1971 TO 1975-1976	1975-1976 TO 1980-1981
MEDICINE			
ALLOPATHIC (MD)	49.2	34.8	12.4
OSTEOPATHIC (DO)	306.9	66.6	44.1
PODIATRIC MEDICINE 1/	75.5	82.6	8.4
DENTISTRY	-6.8	26.2	4.6
OPTOMETRY 2/	54.1	19.6	19.0
PHARMACY 3/	54.4	53.0	-15.3
VETERINARY MEDICINE	63.2	19.7	30.8
NURSING (RN)	NA	42.9	-1.8

1/ Beginning in academic year 1993-94, podiatry data exclude the New Yor
2/ Optometry data exclude St. Louis University in 1996-97.
3/ Pharmacy first-year enrollments prior to 1980-81 include students in
Since 1980-81, pharmacy first-year enrollments include students in th
from the last year of the Pharm.D.1 program.

SOURCES: Association of American Medical Colleges. AAMC Data Book, Sta
Washington, DC, 1998; American Association of Colleges of Osteopathic M
American Association of Colleges of Podiatric Medicine. Unpublished dat
Dental Educational Institutions Annual Report and prior annual reports.
Unpublished data; American Association of Colleges of Pharmacy. Instit
Alexandria, VA, 1997. Also unpublished data; Association of American V
Nursing. Nursing Datasource 1997. New York, 1997. Also unpublished da

CHOOLS FOR SELECTED HEALTH PROFESSIONS,
1970-71 TO 1996-97

OF STUDENTS				
	1985-1986	1990-1991	1995-1996	1996-1997
	16,963	16,876	17,058	16,935
	1,737	1,950	2,274	2,535
	811	622	630	616
	4,843	4,001	4,237	4,255
	1,251	1,239	1,438	1,362
	7,091	8,267	8,740	8,790
	2,282	2,197	2,283	2,334
	100,791	113,526	119,205	NA

ERCENT CHANGE				
	1980-1981 TO 1985-1986	1985-1986 TO 1990-1991	1990-1991 TO 1995-1996	1995-1996 TO 1996-1997
	-1.3	-0.5	1.1	-0.7
	16.1	12.3	16.6	11.5
	16.7	-23.3	1.3	-2.2
	-19.7	-17.4	5.9	0.4
	-0.6	-1.0	16.1	-5.3
	-3.9	16.6	5.7	0.6
	1.9	-3.7	3.9	2.2
	-8.5	12.6	5.0	NA

k College of Podiatry.

the third from the last year of all first professional degree programs.
e third from the last year of the Baccalaureate program and the fourth

tistical Information Related to Medical Education, January 1998.
edicine. 1997 Annual Statistical Report. Rockville, MD, 1997;
a; American Dental Association. 1996/97 Survey of Predoctoral
Chicago, 1997; American Schools and Colleges of Optometry.
utional Research Report Series, Profile of Pharmacy Students Fall 1996.
eterinary Medical Colleges. Unpublished data; National League for
ta.

TABLE 103. TOTAL ENROLLMENTS IN SCH
SELECTED ACADEMIC YEA

HEALTH OCCUPATION	1970-1971	1975-1976	1980-1981
			NUMB
MEDICINE			
ALLOPATHIC (MD)	40,487	56,244	65,189
OSTEOPATHIC (DO)	2,151	3,443	4,940
PODIATRIC MEDICINE 1/	1,147	2,085	2,577
DENTISTRY	16,553	20,767	22,842
OPTOMETRY 2/	2,831	3,888	4,641
PHARMACY 3/	15,626	24,416	22,093
VETERINARY MEDICINE	5,006	6,274	8,156
PUBLIC HEALTH	NA	6,461	8,486
NURSING (RN)	162,924	248,171	230,966
			PER
	1970-1971 TO 1996-1997	1970-1971 TO 1975-1976	1975-1976 TO 1980-1981
MEDICINE			
ALLOPATHIC (MD)	66.2	38.9	15.9
OSTEOPATHIC (DO)	316.6	60.1	43.5
PODIATRIC MEDICINE 1/	89.6	81.8	23.6
DENTISTRY	0.1	25.5	10.0
OPTOMETRY 2/	84.0	37.3	19.4
PHARMACY 3/	79.4	56.3	-9.5
VETERINARY MEDICINE	78.9	25.3	30.0
PUBLIC HEALTH	NA	NA	31.3
NURSING (RN)	46.2	52.3	-6.9

1/ Since academic year 1993-94, data have been excluded for the New Y
2/ Optometry data exclude St. Louis University in 1996-97.
3/ Pharmacy total enrollments prior to 1980-81 include students in th
and Pharm.D.1). Pharmacy total enrollments since 1980-81 included
Baccalaureate programs and 4 years for Pharm.D.1 programs).

SOURCES: Association of American Medical Colleges. AAMC Data Book, S
Washington, DC, 1998; American Association of Colleges of Osteopathic
American Association of Colleges of Podiatric Medicine. Unpublished d
Educational Institutions Annual Report. Chicago, 1997. Also prior ann
American Association of Colleges of Pharmacy. Institutional Research
Also prior annual reports; Association of American Veterinary Medical
1996 US Schools of Public Health Data Report, May 1998; National Leag

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OOLS FOR SELECTED HEALTH PROFESSIONS,
RS 1970-71 TO 1996-97

ER OF STUDENTS

1985-1986	1990-1991	1995-1996	1996-1997
66,585	65,163	66,970	67,276
6,608	6,792	8,475	8,961
2,749	2,226	2,312	2,175
19,563	15,951	16,552	16,570
4,562	4,760	5,312	5,210
19,098	23,238	28,060	28,027
8,928	8,420	8,854	8,956
9,494	12,032	14,973	14,507
217,955	237,598	261,219	238,244

CENT CHANGE

1980-1981 TO 1985-1986	1985-1986 TO 1990-1991	1990-1991 TO 1995-1996	1995-1996 TO 1996-1997
2.1	-2.1	2.8	0.5
33.8	2.8	24.8	5.7
6.7	-19.0	3.9	-5.9
-14.4	-18.5	3.8	0.1
-1.7	4.3	11.6	-1.9
-13.6	21.7	20.8	-0.1
9.5	-5.7	5.2	1.2
11.9	26.7	24.4	-3.1
-5.6	9.0	9.9	-8.8

ork College of Podiatry.

e final 3 years of all first professional degree programs (Baccalaureate
students in all professional years of the degree programs (3 years for

tatistical Information Related to Medical Education, January 1998.
Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997;
ata; American Dental Association. 1996/97 Survey of Predoctoral Dental
ual reports; American Schools and Colleges of Optometry. Unpublished data;
Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA,1997.
Colleges. Unpublished data; Association of Schools of Public Health.
e for Nursing. Nursing Datasource, 1997. Also unpublished data.

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TABLE 104. GRADUATES FROM SCHOOLS FOR
SELECTED ACADEMIC YEARS 19

HEALTH OCCUPATION	NUMBER OF 1970-1971	1975-1976
MEDICINE		
ALLOPATHIC (MD)	8,974	13,634
OSTEOPATHIC	432 1/	809
PODIATRIC MEDICINE	241	497
DENTISTRY	3,775	5,336
OPTOMETRY	528	906
PHARMACY	4,747	7,464
VETERINARY MEDICINE	1,239	1,523
PUBLIC HEALTH	1,741 1/	2,897
NURSING (RN)	46,455	77,065

HEALTH OCCUPATION	PERCENT 1970-1971 TO 1995-1996	1970-1971 TO 1975-1976
MEDICINE		
ALLOPATHIC (MD)	77.3	51.9
OSTEOPATHIC	347.2	87.3
PODIATRIC MEDICINE	182.2	106.2
DENTISTRY	0.9	41.4
OPTOMETRY	129.2	71.6
PHARMACY	68.6	57.2
VETERINARY MEDICINE	70.4	22.9
PUBLIC HEALTH	190.9	66.4
NURSING (RN)	104.0	65.9

1/ Data are for 1969-70.
2/ Data are for 1994-95.

SOURCES: Association of American Medical Colleges. AAMC Data Book, S
Washington, DC, 1998; American Association of Colleges of Osteopathic
American Association of Colleges of Podiatric Medicine. Unpublished d
Educational Institutions Annual Report. Chicago, 1997. Also prior ann
American Association of Colleges of Pharmacy. Institutional Research
VA, 1997. Also prior annual reports; Association of American Veterina
Public Health. 1996 US Schools of Public Health Data Report, May 1998;
unpublished data.

SELECTED HEALTH PROFESSIONS,
70-71 TO 1995-96

GRADUATES				
	1980-1981	1985-1986	1990-1991	1995-1996
	15,632	16,117	15,427	15,907
	1,151	1,560	1,534	1,932
	597	612	591	680
	5,550	4,957	3,995	3,810
	1,092	1,085	1,224	1,210
	7,323	5,800	7,122	8,003
	1,932	2,181	2,021	2,111 2/
	3,168	3,268	3,995	5,064
	73,985	77,027	72,230	94,757

CHANGE				
	1975-1976 TO 1980-1981	1980-1981 TO 1985-1986	1985-1986 TO 1990-1991	1990-1991 TO 1995-1996
	14.7	3.1	-4.3	3.1
	42.3	35.5	-1.7	25.9
	20.1	2.5	-3.4	15.1
	4.0	-10.7	-19.4	-4.6
	20.5	-0.6	12.8	-1.1
	-1.9	-20.8	22.8	12.4
	26.9	12.9	-7.3	4.5
	9.4	3.2	22.2	26.8
	-4.0	4.1	-6.2	31.2

tatistical Information Related to Medical Education, January 1998.
Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997;
ata; American Dental Association. 1996/97 Survey of Predoctoral Dental
ual reports; American Schools and Colleges of Optometry. Unpublished data;
Report Series, Profile of Pharmacy Students Fall 1996. Alexandria,
ry Medical Colleges. Unpublished data; Association of Schools of
National League for Nursing. Nursing Datasource, 1997. Also

TABLE 105. FIRST-YEAR ENROLLMENTS IN SCHO
AND ETHNICITY, SELECTED ACADEMIC Y

Occupation, Race and Ethnicity	Number of student	
	1981-82	1991-92
Allopathic medicine		
All races 2/	17,268	17,071
Non-Hispanic white	14,218	11,677
Underrepresented minority 3/	1,671	1,876
Non-Hispanic black	1,196	1,304
Hispanic	902	1,006
Mexican American	300	351
Mainland Puerto Rican	105	128
Other Hispanic 4/	497	527
Native American	70	93
Asian	765	2,744
Osteopathic medicine		
All races	1,582	1,974
Non-Hispanic white 2/	1,478	1,608
Underrepresented minority	71	141
Non-Hispanic black	37	67
Hispanic	22	67
Native American	12	7
Asian	33	225
Podiatry		
All races	702	725
Non-Hispanic white 2/	615	511
Underrepresented minority	64	131
Non-Hispanic black	47	75
Hispanic	16	52
Native American	1	4
Asian	23	83

LS FOR SELECTED HEALTH PROFESSIONS BY RACE
ARS 1981-82, 1991-92, AND 1996-97

	Percent of students		
1996-97 1/	1981-82	1991-92	1996-97 1/
16,935	100.0	100.0	100.0
11,117	82.3	68.4	65.6
2,223	9.7	11.0	13.1
1,423	6.9	7.6	8.4
1,207	5.2	5.9	7.1
501	1.7	2.1	3.0
150	0.6	0.7	0.9
556	2.9	3.1	3.3
149	0.4	0.5	0.9
3,039	4.4	16.1	17.9
2,535	100.0	100.0	100.0
1,984	93.4	81.5	78.3
244	4.5	7.1	9.6
115	2.3	3.4	4.5
112	1.4	3.4	4.4
17	0.8	0.4	0.7
307	2.1	11.4	12.1
616	100.0	100.0	100.0
471	87.6	70.5	76.5
49	9.1	18.1	8.0
24	6.7	10.3	3.9
22	2.3	7.2	3.6
3	0.1	0.6	0.5
96	3.3	11.4	15.6

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TABLE 105. FIRST-YEAR ENROLLMENTS IN SCHO
AND ETHNICITY, SELECTED ACADEMIC YEARS 1

Occupation, Race and Ethnicity	Number of student	
	1981-82	1991-92
Dentistry 5/		
All races	5,789	4,006
Non-Hispanic white 2/	4,913	2,792
Underrepresented minority	503	499
Non-Hispanic black	299	255
Hispanic	183	233
Native American	21	11
Asian	373	715
Optometry 5/		
All races	1,162	1,321
Non-Hispanic white 2/	--	1,048
Underrepresented minority	--	89
Non-Hispanic black	--	35
Hispanic	--	47
Native American	--	7
Asian	--	184
Pharmacy 5,6/		
All races	6,617	8,264
Non-Hispanic white 2/	5,683	6,321
Underrepresented minority	552	938
Non-Hispanic black	366	691
Hispanic	175	204
Native American	11	43
Asian	360	1,005
Veterinary medicine		
All races	2,246	2,225
Non-Hispanic white 2/	--	2,053
Underrepresented minority	--	129
Non-Hispanic black	--	50
Hispanic	--	65
Native American	--	14
Asian	--	43

OLS FOR SELECTED HEALTH PROFESSIONS BY RACE
981-82, 1991-92, AND 1996-97 (Continued)

	Percent of students		
1996-97 1/	1981-82	1991-92	1996-97 1/
4,204	100.0	100.0	100.0
2,788	84.9	69.7	66.3
422	8.7	12.5	10.0
243	5.2	6.4	5.8
156	3.2	5.8	3.7
23	0.4	0.3	0.5
994	6.4	17.8	23.6
1,323	100.0	100.0	100.0
951	--	79.3	71.9
83	--	6.7	6.3
38	--	2.6	2.9
41	--	3.6	3.1
4	--	0.5	0.3
289	--	13.9	21.8
8,719	100.0	100.0	100.0
--	85.9	76.5	--
--	8.3	11.4	--
--	5.5	8.4	--
--	2.6	2.5	--
--	0.2	0.5	--
--	5.4	12.2	--
2,334	100.0	100.0	100.0
2,156	--	92.3	92.4
139	--	5.8	6.0
49	--	2.2	2.1
77	--	2.9	3.3
13	--	0.6	0.6
39	--	1.9	1.7

TABLE 105. FIRST-YEAR ENROLLMENTS IN SCHOOL
AND ETHNICITY, SELECTED ACADEMIC YEARS 198

Occupation, Race and Ethnicity	Number of students	
	1981-82	1991-92
Public Health 7/		
All races 2/	NA	3,432
Non-Hispanic white	--	2,466
Underrepresented minority	--	613
Non-Hispanic black	--	248
Hispanic 4/	--	338
Native American	--	27
Asian	--	212
Nursing (RN programs) 5,8/		
All races	115,279	122,656
Non-Hispanic white	--	103,076
Underrepresented minority	--	15,608
Non-Hispanic black	--	10,476
Hispanic	--	4,258
Native American	--	874
Asian	--	3,972

1/ First-year enrollments for nursing students are for 1995-96.
2/ Includes race/ethnicity unspecified.
3/ Includes Non-Hispanic Black, Mainland Puerto Rican, Mexican America
4/ Includes students attending schools in the Commonwealth of Puerto R
5/ Excludes students attending schools in the Commonwealth of Puerto
6/ For 1991-92 and earlier years, pharmacy first-year enrollment data
first professional degree programs (Bacc. and Pharm.D.1). For exam
in the Baccalaureate Class of 1999 and the Pharm.D.1 Class of 2000.
7/ U.S. citizens only.
8/ In 1990, the National League for Nursing developed a new system for
1993-94 the minority data question was changed. Therefore, race/et

SOURCES: Association of American Medical Colleges. AAMC DATA BOOK, S
Washington, DC, 1998; American Association of Colleges of Osteopathic
American Association of Colleges of Podiatric Medicine. Unpublished da
Dental Educational Institutions. Chicago, 1997; Bureau of Health Profe
Association of Schools and Colleges of Optometry. Unpublished data; Am
Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA,
Medical Colleges. Unpublished data; Association of Schools of Public
National League for Nursing. Nursing Datasource 1997, New York, 1997,

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S FOR SELECTED HEALTH PROFESSIONS BY RACE
1-82, 1991-92, AND 1996-97 (Continued)

	Percent of students		
1996-97 1/	1981-82	1991-92	1996-97 1/
4,563	NA	100.0	100.0
2,976	--	71.9	65.2
779	--	17.9	17.1
344	--	7.2	7.5
412	--	9.8	9.0
23	--	0.8	0.5
626	--	6.2	13.7
119,205	100.0	100.0	100.0
96,449	--	84.0	80.9
17,739	--	12.7	14.9
12,123	--	8.5	10.2
4,715	--	3.5	4.0
901	--	0.7	0.8
5,017	--	3.2	4.2

n, and American Indian.
ico.
Rico.
included students in the first year of the final three years of all
ple, in 1996-97, pharmacy first-year enrollments include students

analyzing minority data and in academic years 1992-93 and
hnicity data may not be directly comparable to prior years.

tatistical Information Related to Medical Education, January 1998.
Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997;
ta; American Dental Association. 1996/97 Survey of Predoctoral
ssions. Minorities and Women in the Health Fields, 1994 Edition.
erican Association of Colleges of Pharmacy. Institutional Research
1997. Also unpublished data; Association of American Veterinary
Health. 1996 US Schools of Public Health Data Report, May 1998;
State-Approved Schools of Nursing-RN 1973, New York, 1973.

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TABLE 106. TOTAL ENROLLMENT IN SCHOOLS
ETHNICITY, SELECTED ACADEMIC

Occupation, Race and Ethnicity	Number of studen	
	1981-82	1991-92
Allopathic medicine		
All races 1/	66,298	65,602
Non-Hispanic white	56,201	47,094
Underrepresented minority 2/	5,503	6,325
Non-Hispanic black	3,884	4,334
Hispanic	3,093	3,645
Mexican American	1,040	1,205
Mainland Puerto Rican	350	485
Other Hispanic 3/	1,703	1,955
Native American	229	301
Asian	2,518	9,438
Osteopathic medicine		
All races	5,304	7,012
Non-Hispanic white 1/	5,003	5,778
Underrepresented minority	192	549
Non-Hispanic black	104	236
Hispanic	62	276
Native American	26	37
Asian	109	685
Podiatry		
All races	2,584	2,247
Non-Hispanic white 1/	2,346	1,644
Underrepresented minority	170	402
Non-Hispanic black	125	233
Hispanic	40	161
Native American	5	8
Asian	68	201

FOR SELECTED HEALTH PROFESSIONS BY RACE AND
EARS 1981-82, 1991-92, AND 1996-97

s	Percent of students		
1996-97	1981-82	1991-92	1996-97
67,276	100.0	100.0	100.0
44,283	84.8	71.8	65.8
8,234	8.3	9.6	12.2
5,400	5.9	6.6	8.0
4,424	4.7	5.6	6.6
1,818	1.6	1.8	2.7
488	0.5	0.7	0.7
2,118	2.6	3.0	3.1
528	0.3	0.5	0.8
11,808	3.8	14.4	17.6
8,961	100.0	100.0	100.0
7,148	94.3	82.4	79.8
791	3.6	7.8	8.8
369	2.0	3.4	4.1
339	1.2	3.9	3.8
83	0.5	0.5	0.9
1,022	2.1	9.8	11.4
2,175	100.0	100.0	100.0
1,705	90.8	73.2	78.4
165	6.6	17.9	7.6
80	4.8	10.4	3.7
73	1.5	7.2	3.4
12	0.2	0.4	0.6
305	2.6	8.9	14.0

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TABLE 106. TOTAL ENROLLMENT IN SCHOOLS FO
ETHNICITY, SELECTED ACADEMIC YEARS 198

Occupation, Race and Ethnicity	Number of students	
	1981-82	1991-92
Dentistry 4/		
All races	22,357	15,715
Non-Hispanic white 1/	19,518	11,152
Underrepresented minority	1,643	1,978
Non-Hispanic black	999	907
Hispanic	583	1,020
Native American	61	51
Asian	1,196	2,585
Optometry 4/		
All races	4,541	4,743
Non-Hispanic white 1/	4,094	3,751
Underrepresented minority	164	340
Non-Hispanic black	57	140
Hispanic	98	178
Native American	9	22
Asian	283	652
Pharmacy 4,5/		
All races	20,134	23,266
Non-Hispanic white 1/	17,671	18,242
Underrepresented minority	1,423	2,269
Non-Hispanic black	932	1,531
Hispanic	453	651
Native American	38	87
Asian	1,040	2,755
Veterinary medicine		
All races	8,391	8,440
Non-Hispanic white 1/	--	7,804
Underrepresented minority	--	495
Non-Hispanic black	--	192
Hispanic	--	257
Native American	--	46
Asian	--	141

SELECTED HEALTH PROFESSIONS BY RACE AND
1-82, 1991-92, AND 1996-97 (Continued)

	Percent of students		
1996-97	1981-82	1991-92	1996-97
16,400	100.0	100.0	100.0
11,100	87.3	71.0	67.7
1,628	7.3	12.6	9.9
891	4.5	5.8	5.4
654	2.6	6.5	4.0
83	0.3	0.3	0.5
3,672	5.3	16.4	22.4
5,075	100.0	100.0	100.0
3,705	90.2	79.1	73.0
343	3.6	7.2	6.8
120	1.3	3.0	2.4
200	2.2	3.8	3.9
23	0.2	0.5	0.5
1,027	6.2	13.7	20.2
32,853	100.0	100.0	100.0
23,091	87.8	78.4	70.3
3,610	7.1	9.8	11.0
2,529	4.6	6.6	7.7
934	2.2	2.8	2.8
147	0.2	0.4	0.4
6,152	5.2	11.8	18.7
8,956	100.0	100.0	100.0
8,207	--	92.5	91.6
524	--	5.9	5.9
198	--	2.3	2.2
272	--	3.0	3.0
54	--	0.5	0.6
174	--	1.7	1.9

TABLE 106. TOTAL ENROLLMENT IN SCHOOLS
ETHNICITY, SELECTED ACADEMIC YEARS

Occupation, Race and Ethnicity	Number of studen	
	1981-82	1991-92
Public Health 6/		
All races 1/	7,366	10,067
Non-Hispanic white	5,440	7,601
Underrepresented minority	729	1,576
Non-Hispanic black	376	705
Hispanic 3/	271	783
Native American	82	88
Asian	335	543
Nursing (RN programs) 4,7/		
All races	234,995	237,598
Non-Hispanic white	--	200,073
Underrepresented minority	--	30,578
Non-Hispanic black	--	21,529
Hispanic	--	7,349
Native American	--	1,700
Asian	--	6,947

1/ Includes race/ethnicity unspecified.
2/ Includes Non-Hispanic Black, Mainland Puerto Rican, Mexican Ame
3/ Includes students attending schools in the Commonwealth of Puer
4/ Excludes students attending schools in the Commonwealth of Puer
5/ For 1991-92 and earlier years, pharmacy total enrollment race/e
first professional degree programs (Bacc. and Pharm.D.1). Sinc
all students enrolled in the first professional degree program.
6/ U.S. citizens only.
7/ In 1990, the National League for Nursing developed a new system
1993-94 the minority data question was changed. Therefore, rac

SOURCES: Association of American Medical Colleges. AAMC DATA BOO
Washington, DC, 1998; American Association of Colleges of Osteopa
American Association of Colleges of Podiatric Medicine. Unpublishe
Dental Educational Institutions. Chicago, 1997; Bureau of Health P
Association of Schools and Colleges of Optometry. Unpublished data
Report Series, Profile of Pharmacy Students Fall 1996. Alexandria,
Medical Colleges. Unpublished data; Association of Schools of Pu
National League for Nursing. Nursing Datasource 1997, New York, 1

FOR SELECTED HEALTH PROFESSIONS BY RACE AND
1981-82, 1991-92, AND 1996-97 (Continued)

ts	Percent of students		
1996-97	1981-82	1991-92	1996-97
12,412	100.0	100.0	100.0
8,489	73.9	75.5	68.4
2,179	9.9	15.7	17.6
994	5.1	7.0	8.0
1,088	3.7	7.8	8.8
97	1.1	0.9	0.8
1,362	4.5	5.4	11.0
238,244	100.0	100.0	100.0
193,061	--	84.2	81.0
34,654	--	12.9	14.5
23,611	--	9.1	9.9
9,227	--	3.1	3.9
1,816	--	0.7	0.8
10,529	--	2.9	4.4

rican, and American Indian.
o Rico.
o Rico.
thnicity data included students in the final three years of all
1991-92, pharmacy total enrollment race/ethnicity data include

for analyzing minority data and in academic years 1992-93 and
al/ethnic data may not be directly comparable to prior years.

, Statistical Information Related to Medical Education, January 1998.
hic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997;
data; American Dental Association. 1996/97 Survey of Predoctoral
rofessions. Minorities and Women in the Health Fields, 1994 Edition.
American Association of Colleges of Pharmacy. Institutional Research
VA, 1997. Also unpublished data; Association of American Veterinary
olic Health. 1996 US Schools of Public Health Data Report, May 1998;
997, State-Approved Schools of Nursing-RN 1973, New York, 1973.

TABLE 107. FIRST-YEAR AND TOTAL ENROLLM
PROFESSIONS, SELECTED ACADEMIC YEARS

ENROLLMENT AND OCCUPATION	Both Sexes		
	1971-72 1/	1981-82	1991-92
	Number of Students		
First-year enrollment			
Allopathic medicine	12,361	17,268	17,071
Osteopathic medicine	670	1,592	1,974
Dentistry 3/	4,705	5,789	4,006
Podiatry	400	702	725
Optometry 3/	906	1,162	1,321
Pharmacy 3,4/	6,532	6,617	8,264
Veterinary medicine	1,453	2,246	2,225
Nursing (RN)	93,344	115,279	122,656
Total enrollment			
Allopathic medicine	43,650	66,298	65,602
Osteopathic medicine	2,304	5,304	7,012
Dentistry 3/	17,305	22,357	15,715
Podiatry	1,268	2,584	2,247
Optometry 3/	3,094	4,541	4,743
Pharmacy 3,4/	16,322	20,132	23,266
Veterinary medicine	5,149	8,391	8,440
Public Health 5/	NA	7,366	10,067
Nursing (RN)	211,239	234,995	237,598

1/ Total enrollments for nursing students are for 1972-73.
2/ First-year enrollments for nursing students and total enrollment
3/ Excludes Puerto Rican schools.
4/ For 1991-92 and earlier years, pharmacy first-year enrollment da
first professional degree programs (Bacc. and Pharm.D.1) and pha
first professional degree program. For 1996-97, pharmacy total
Baccalaureate program and last 4 years of the Pharm.D.1 program.
Baccalaureate Class of 1999 and the Pharm.D.1 Class of 2000.
5/ U.S. citizens only.

SOURCES: Association of American Medical Colleges. AAMC DATA BOOK
Washington, DC, 1998; American Association of Colleges of Osteopat
American Association of Colleges of Podiatric Medicine. Unpublished
Dental Educational Institutions. Chicago, 1997; Bureau of Health P
Association of Schools and Colleges of Optometry. Unpublished data;
Report Series, Profile of Pharmacy Students Fall 1996. Alexandria,
Medical Colleges. Unpublished data; Association of Schools of Pub
National League for Nursing. Nursing Datasource 1997, New York, 19

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ENTS OF WOMEN IN SCHOOLS FOR SELECTED HEALTH
1971-72, 1981-82, 1991-92, AND 1996-97

	Women			
1996-97 2/	1971-72 1/	1981-82	1991-92	1996-97 2/
	Percent of Students			
16,935	13.7	30.8	39.9	42.9
2,535	4.3	23.9	32.7	37.8
4,204	3.1	21.4	35.9	37.6
616	--	--	28.0	31.0
1,323	5.3	26.7	53.1	53.4
8,719	25.8	50.1	63.0	63.1
2,334	15.3	47.2	--	68.5
119,205	94.5	92.7	89.8	87.5
67,276	10.9	27.9	38.1	42.2
8,961	3.4	20.9	33.4	36.9
16,400	--	18.4	35.4	36.7
2,175	1.2	14.0	28.9	30.2
5,075	--	--	49.5	52.9
27,823	--	--	62.5	63.6
8,956	11.5	41.8	62.1	66.8
12,664	--	55.4	65.9	66.0
238,244	95.5	94.3	90.1	87.9

s for public health students are for 1995-96.

ta include students in the first year of the final three years of all
rmacy total enrollments include students in the final 3 years of the
enrollments include students in the last 3 years of the
Pharmacy first year enrollments for 1996-97 include students in the

, Statistical Information Related to Medical Education, January 1998.
hic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997;
data; American Dental Association. 1996/97 Survey of Predoctoral
rofessions. Minorities and Women in the Health Fields, 1994 Edition.
American Association of Colleges of Pharmacy. Institutional Research
VA, 1997. Also unpublished data; Association of American Veterinary
lic Health. 1995 US Schools of Public Health Data Report , July 1997;
97. State-Approved Schools of Nursing-RN 1973, New York, 1973.

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TABLE 108. GRADUATES FROM SCHOOLS FOR S
SELECTED ACADEMIC YEARS

Occupation, Race and Ethnicity	Number of gr	
	1980-81	1990-91
Allopathic medicine		
All races 1/	15,632	15,427
Non-Hispanic white	13,201	11,792
Underrepresented minority 2/	1,086	1,326
Non-Hispanic black	766	918
Hispanic	530	832
Mexican American	201	261
Mainland Puerto Rican	76	101
Other Hispanic 3/	253	470
American Indian	43	46
Asian	456	1,687
Dentistry 4/		
All races	5,495	3,938
Non-Hispanic white 1/	4,931	2,854
Underrepresented minority	318	507
Non-Hispanic black	214	204
Hispanic	90	291
American Indian	14	12
Asian	246	577
Pharmacy 4/		
All races	7,096	7,037
Non-Hispanic white 1/	6,212	5,719
Underrepresented minority	596	573
Non-Hispanic black	230	350
Hispanic	361	203
American Indian	5	20
Asian	288	745
Veterinary medicine		
All races	1,932	2,021
Non-Hispanic white 1/	--	1,873
Underrepresented minority	--	114
Non-Hispanic black	--	59
Hispanic	--	45
American Indian	--	10
Asian	--	34

ELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY
1980-81, 1990-91, AND 1994-95

aduates	Percent of graduates		
1994-95	1980-81	1990-91	1994-95 1/
15,888	100.0	100.0	100.0
11,078	84.4	76.4	69.7
1,427	6.9	8.6	9.0
970	4.9	6.0	6.1
897	3.4	5.4	5.6
287	1.3	1.7	1.8
105	0.5	0.7	0.7
505	1.6	3.0	3.2
65	0.3	0.3	0.4
2,579	2.9	10.9	16.2
3,867	100.0	100.0	100.0
2,739	89.7	72.5	70.8
468	5.8	12.9	12.1
201	3.9	5.2	5.2
251	1.6	7.4	6.5
8	0.3	0.3	0.2
660	4.5	14.7	17.1
7,765	100.0	100.0	100.0
5,921	87.5	81.3	76.3
683	8.4	8.1	8.8
445	3.2	5.0	5.7
210	5.1	2.9	2.7
28	0.1	0.3	0.4
1,161	4.1	10.6	15.0
2,111	100.0	100.0	100.0
1,970	--	92.7	93.3
104	--	5.6	4.9
36	--	2.9	1.7
54	--	2.2	2.6
14	--	0.5	0.7
37	--	1.7	1.8

TABLE 108. GRADUATES FROM SCHOOLS FOR
SELECTED ACADEMIC YEARS 198

Occupation, Race and Ethnicity	Number of	
	1980-81	1990-9
Public Health 5/		
All races 1/	2,762	3,17
Non-Hispanic white	2,159	2,29
Underrepresented minority	306	47
Non-Hispanic black	163	20
Hispanic	119	23
American Indian	24	3
Asian	149	17
Registered nurses 4,6/		
All races	73,985	72,23
Non-Hispanic white	--	62,68
Underrepresented minority	--	7,73
Non-Hispanic black	--	5,35
Hispanic	--	2,02
American Indian	--	36
Asian	--	1,80

1/ Includes race/ethnicity unspecified.
2/ Includes Non-Hispanic Black, Mainland Puerto Rican, Mexican A
3/ Includes Puerto Rican Commonwealth students.
4/ Excludes Puerto Rican schools.
5/ U.S. citizens only.
6/ The minority data question was changed in 1992/93, therefore
prior to 1992-93.

SOURCES: Association of American Medical Colleges. AAMC DATA B
Washington, DC, 1997; Bureau of Health Professions: Minorities
Association. 1995/96 Survey of Predoctoral Dental Educational I
Colleges of Pharmacy. Institutional Research Report Series, Pro
of American Veterinary Medical Colleges. Unpublished data; Ass
League for Nursing. Nursing Datasource, 1996: Vol 1. New York,

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SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY
-81, 1990-91, AND 1994-95 (Continued)

raduates	Percent of graduates		
1994-95	1980-81	1990-91	1994-95 1/
3,854	100.0	100.0	100.0
2,915	78.2	72.4	75.6
533	11.1	15.1	13.8
273	5.9	6.5	7.1
236	4.3	7.5	6.1
24	0.9	1.1	0.6
330	5.4	5.5	8.6
97,052	100.0	100.0	100.0
83,716	--	86.8	86.3
10,394	--	10.7	10.7
6,751	--	7.4	7.0
3,021	--	2.8	3.1
622	--	0.5	0.6
2,942	--	2.5	3.0

erican, and American Indian.

ata for subsequent years may not be directly comparable to data collected

OK, Statistical Information Related to Medical Education, January 1997.
and Women in the Health Fields, 1994 edition; American Dental
stitutions Annual Report. Chicago, 1996; American Association of
ile of Pharmacy Students, Fall 1995. Alexandria, VA, 1996; Association
ciation of Schools of Public Health. Unpublished data; National
996.

AVAILABLE

TABLE 109. NUMBER OF HEALTH PROFESSIONS
ACADEMIC YEARS 1949-50 TO 1996-9

ACADEMIC YEAR	MEDICINE	OSTEOPATHY	TOTAL	REGISTER BACCALAUREAT
First-year enrollment				
1979-80	16,930	1,426	105,952	35,41
1980-81	17,186	1,496	110,201	35,80
1981-82	17,268	1,582	115,279	35,92
1982-83	17,254	1,682	120,579	37,26
1983-84	17,150	1,746	123,824	39,40
1984-85	16,997	1,750	118,224	39,57
1985-86	16,963	1,737	100,791	34,31
1986-87	16,819	1,724	90,693	28,02
1987-88	16,713	1,692	94,269	28,50
1988-89	16,868	1,780	103,025	29,04
1989-90	16,756	1,844	108,580	29,85
1990-91	16,876	1,950	113,526	33,43
1991-92	17,071	1,974	122,656	37,88
1992-93	17,079	2,035	126,837	41,29
1993-94	17,121	2,162	129,897	42,95
1994-95	17,085	2,217	127,184	43,45
1995-96	17,058	2,274	119,205	40,04
1996-97	16,935	2,535	--	-
Total enrollment				
1979-80	63,800	4,571	234,659	98,93
1980-81	65,189	4,940	230,966	95,85
1981-82	66,298	5,304	234,995	93,96
1982-83	66,748	5,822	242,035	94,36
1983-84	67,327	6,212	250,553	98,94
1984-85	67,016	6,547	237,232	95,00
1985-86	66,585	6,608	217,955	91,02
1986-87	66,125	6,640	193,712	81,60
1987-88	65,735	6,586	182,947	73,62
1988-89	65,300	6,614	184,924	70,07

STUDENTS, GRADUATES AND SCHOOLS, SELECTED
AND PROJECTIONS FOR 1999-2000

ED NURSING							
	ASSOCIATE DEGREE	DIPLOMA	LICENSED PRACTICAL NURSING	DENTISTRY	OPTOMETRY	PHARMACY	PODIATRY 3/
	53,633	16,905	56,316	6,132	1,202	8,035	718
	56,899	17,494	58,479	6,030	1,258	7,377	695
	60,423	18,928	60,426	5,855	1,249	6,927	702
	63,947	19,368	61,453	5,498	1,147	6,609	724
	66,576	17,848	57,865	5,274	1,219	6,635	689
	63,776	14,875	47,034	5,047	1,187	6,986	782
	56,635	9,846	44,477	4,843	1,251	7,091	811
	54,330	8,337	42,452	4,554	1,234	7,554	615
	57,375	8,389	43,774	4,370	1,268	7,751	716
	63,973	10,010	47,602	4,196	1,271	7,990	595
	68,634	10,088	52,969	3,979	1,258	8,033	599
	69,869	10,220	56,176	4,001	1,239	8,267	561
	74,079	10,691	58,245	4,047	1,355	8,343	777
	75,382	10,165	60,749	4,072	1,395	8,664	802
	77,343	9,601	60,632	4,100	1,351	8,970	701
	76,016	7,717	57,906	4,121	1,390	9,157	652
	72,930	6,227	--	4,237	1,438	8,740	630
	--	--	--	4,255	1,362	8,790	616
	92,069	43,651	52,202	22,482	4,517	23,074	2,531
	94,060	41,048	52,565	22,842	4,641	22,093	2,577
	100,019	41,009	55,024	22,621	4,729	20,468	2,584
	105,324	42,348	57,367	22,235	4,646	19,350	2,608
	109,605	42,007	55,446	21,428	4,652	18,831	2,556
	104,968	37,256	48,840	20,588	4,569	18,646	2,616
	96,756	30,179	39,345	19,563	4,562	19,098	2,749
	89,469	22,641	38,510	18,673	4,636	20,073	2,832
	90,399	18,927	40,035	17,885	4,646	21,424	2,790
	95,986	18,860	42,808	17,094	4,708	22,447	2,608

TABLE 109. NUMBER OF HEALTH PROFESSIONS
ACADEMIC YEARS 1949-50 TO 1996-97 AND

ACADEMIC YEAR	MEDICINE	OSTEOPATHY	REGISTERE TOTAL	BACCALAUREATE
Total enrollment				
1989-90	65,016	6,615	201,458	74,86
1990-91	65,163	6,792	221,170	81,78
1991-92	65,602	7,012	237,598	90,87
1992-93	66,142	7,375	257,983	102,12
1993-94	66,629	7,822	270,228	110,69
1994-95	67,072	8,146	268,350	112,65
1995-96	66,970	8,475	261,219	109,50
1996-97	67,276	8,961	238,244	103,21
Graduates				
1949-50 1/	5,553	373	28,794	--
1959-60	7,081	427	30,113	4,13
1969-70	8,367	432	43,103	9,06
1974-75	12,714	702	73,915	20,17
1979-80	15,113	1,059	75,523	24,99
1980-81	15,632	1,151	73,985	24,37
1981-82	16,012	1,017	74,052	24,08
1982-83	15,802	1,317	77,408	23,85
1983-84	16,343	1,287	80,312	23,71
1984-85	16,318	1,474	82,075	24,97
1985-86	16,117	1,560	77,027	25,17
1986-87	15,830	1,587	70,561	23,76
1987-88	15,919	1,572	64,839	21,50
1988-89	15,630	1,609	61,660	18,99
1989-90	15,398	1,529	66,088	18,57
1990-91	15,427	1,534	72,230	19,26
1991-92	15,365	1,532	80,839	21,41
1992-93	15,466	1,606	88,149	24,44
1993-94	15,555	1,752	94,870	28,91
1994-95	15,888	1,843	97,052	31,25
1995-96	15,907	1,932	94,757	32,41
1996-97	15,923	2,020	--	--
1999-2000	16,112	1,934	79,660	26,49

STUDENTS, GRADUATES AND SCHOOLS, SELECTED
PROJECTIONS FOR 1999-2000 (Continued)

D NURSING		LICENSED PRACTICAL NURSING	DENTISTRY	OPTOMETRY	PHARMACY	PODIATRY 3/
ASSOCIATE DEGREE	DIPLOMA					
106,175	20,418	46,720	16,412	4,723	23,013	2,397
117,413	21,969	52,749	15,951	4,760	23,238	2,154
123,816	22,905	56,762	15,882	4,864	23,482	2,263
132,603	23,252	59,095	15,980	5,078	26,287	2,438
137,300	22,235	61,007	16,250	--	27,143	2,161
135,895	19,796	59,428	16,353	5,201	27,667	2,318
135,235	16,479	56,028	16,552	5,312	28,060	2,312
122,242	12,789	--	16,570	5,210	28,027	2,175
--	--	2,828	2,565	961	--	--
789	25,188	16,491	3,253	364	3,497	--
11,483	22,551	36,456	3,749	445	4,758	--
32,183	21,562	45,375	4,969	806	6,712	--
36,034	14,495	41,892	5,256	1,073	7,432	577
36,712	12,903	41,002	5,550	1,092	7,323	597
38,289	11,682	43,299	5,371	1,106	6,859	599
41,849	11,704	45,174	5,756	1,166	6,374	631
44,394	12,200	44,654	5,337	1,188	5,963	607
45,208	11,892	36,955	5,353	1,114	5,735	586
41,333	10,524	29,599	4,957	1,085	5,800	612
38,528	8,272	27,285	4,717	1,081	5,854	590
37,397	5,938	26,912	4,581	1,106	6,184	645
37,837	4,826	30,368	4,312	1,143	6,560	673
42,318	5,199	35,417	4,233	1,115	6,956	671
46,794	6,172	38,100	3,995	1,224	7,122	591
52,896	6,528	41,951	3,918	1,150	7,113	539
56,770	6,937	44,822	3,778	1,167	7,380	400
58,839	7,119	45,083	3,875	1,125	7,504	380
58,749	7,049	44,234	3,908	1,219	7,837	558
56,641	5,703	--	3,810	1,210	8,003	680
--	--	--	--	--	--	--
47,790	5,380	--	3,242	1,200	7,120	--

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TABLE 109. NUMBER OF HEALTH PROFESSIONS
ACADEMIC YEARS 1949-50 TO 1996-97 AND

ACADEMIC YEAR	MEDICINE	OSTEOPATHY	TOTAL	REGISTERE BACCALAUREATE
Schools 2/				
1950-51	79	6	1,170	--
1960-61	86	6	1,137	172
1970-71	103	7	1,340	267
1975-76	114	9	1,362	326
1980-81	126	14	1,385	377
1981-82	126	15	1,401	383
1982-83	127	15	1,432	402
1983-84	127	15	1,466	421
1984-85	127	15	1,477	427
1985-86	127	15	1,473	441
1986-87	127	15	1,469	455
1987-88	127	15	1,465	467
1988-89	127	15	1,442	479
1989-90	127	15	1,457	488
1990-91	126	15	1,470	489
1991-92	126	15	1,484	501
1992-93	126	15	1,484	501
1993-94	126	16	1,493	507
1994-95	125	16	1,501	509
1995-96	125	16	1,516	521
1996-97	125	17	1,508	523

-- Data not available.
1/ Data for total registered nursing graduates are for 1951.
2/ Some nursing schools offer more than one type of program. Numbers shown
3/ Podiatry first-year and total enrollment and graduate data do not inclu
year 1993-94.

SOURCES: Association of American Medical Colleges. AAMC Data Book, Statist
Bureau of Health Professions. Health Personnel in the United States Eighth
Administration. DHHS Pub No. HRS-P-OD-92-1, Rockville, MD, 1992 and unpubl
1997 and unpublished data; American Nurses Association. Facts About Nursin
Survey of Predoctoral Dental Educational Institutions, Chicago, 1997; Amer
Statistical Report. Rockville, MD, 1997; Association of Schools of Optomet
Institutional Research Report Series, Profile of Pharmacy Students Fall 19

STUDENTS, GRADUATES AND SCHOOLS, SELECTED
PROJECTIONS FOR 1999-2000 (Continued)

D NURSING						
ASSOCIATE DEGREE	DIPLOMA	LICENSED PRACTICAL NURSING	DENTISTRY	OPTOMETRY	PHARMACY	PODIATRY 3/
--	--	85	42	10	--	--
57	908	661	47	10	76	--
437	636	1,233	53	11	74	--
608	428	1,315	59	12	73	5
697	311	1,299	60	16	72	5
715	303	1,309	60	17	72	5
742	288	1,295	60	17	72	6
764	281	1,297	60	17	72	6
777	273	1,254	60	17	72	6
776	256	1,165	60	17	72	7
776	238	1,087	59	17	73	7
789	209	1,068	58	17	74	7
792	171	1,095	58	17	74	7
812	157	1,171	58	17	74	7
829	152	1,154	56	17	74	7
838	145	1,125	55	17	74	7
848	135	1,154	55	17	75	7
857	129	1,159	54	17	75	7
868	124	1,185	54	17	75	7
876	119	1,210	54	17	75	7
876	109	--	54	17	79	7

for nursing are number of nursing programs.
de the New York College of Podiatry beginning in academic

ical Information Related to Medical Education. Washington, DC, 1998;
Report to Congress, 1991. Health Resources and Services
ished data; National League for Nursing. Nursing Data Source
, 1951 and 1961; American Dental Association. 1996/97
ican Association of Colleges of Osteopathic Medicine. 1997 Annual
ry. Unpublished data; American Association of Colleges of Pharmacy.
96. Alexandria, VA, 1997.

TABLE 110. FULL-TIME EQUIVALENT EMPLOYMENT FOR U.S

OCCUPATION	1983	1984	1985	
Number of Hospitals	6,888	6,872	6,872	
Total Hospital Personnel	3,736,744	3,658,519	3,647,725	3,6
Administrators and Assistant Administrators	36,703	38,271	38,437	
Physicians	48,239	49,751	50,788	
Physicians Assistants	3,807	4,475	3,850	
Dentists	3,274	3,361	3,264	
Registered Nurses	770,846	773,042	789,413	8
Licensed Practical Nurses	259,106	233,327	217,409	2
Ancillary Nursing Personnel	401,287	367,468	342,908	3
Medical Records Administrator	7,380	7,482	7,578	
Medical Records Technicians	37,476	39,025	39,949	
Pharmacists-Licensed	32,863	33,283	34,021	
Pharmacy Technicians	27,880	27,883	28,567	
Medical Technologists	90,102	89,247	88,916	
Other Laboratory Personnel	73,053	70,488	69,182	
Dietitians	14,193	13,788	13,732	
Dietetic Technicians	27,765	26,939	25,944	
Radiographer (Radiologic Technologists)	57,123	55,742	56,660	
Radiation Therapy Technologists	3,916	3,885	3,868	
Nuclear Medicine Technologists	7,482	7,559	7,494	
Other Radiologic Personnel	30,029	29,798	29,769	
Occupational Therapists	8,823	9,302	9,666	
Occupational Therapy Assistants and Aides	3,728	3,802	3,879	
Physical Therapists	17,811	18,013	18,754	
Physical Therapy Assistants and Aides	15,204	14,624	14,732	
Speech Pathologists/Audiologists	4,137	4,374	4,677	
Recreational Therapists	7,063	7,424	7,658	
Respiratory Therapists	27,067	27,737	29,129	
Respiratory Therapy Technicians	26,688	25,669	24,315	
Psychologists 1/	N/A	6,426	7,374	
Medical Social Workers	26,139	26,791	27,444	
All Other Health Professions and Technical Personnel 1/	256,037	250,584	258,476	2
All Other Non-Health Professions and Non-Technical Personnel	1,340,177	1,315,886	1,319,144	1,2
Medical Residents and Interns	69,829	71,613	69,347	
Dental Residents and Interns	1,510	1,469	1,388	
Nursing Home Personnel 2/	50,776	51,610	53,669	
Other Trainees 2/	8,876	7,522	6,346	

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part-time
1/ For comparison with data prior to 1984 "All Other Health Professions and T
2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Health Pro
Also prior annual surveys.

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REGISTERED HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

1986	1987	1988	1989	1990	1991	1992	1993
6,841	6,821	6,780	6,720	6,649	6,634	6,539	6,467
8,954	3,763,694	3,860,591	3,956,155	4,079,601	4,175,909	4,245,013	4,293,904
1,471	42,440	46,332	46,290	46,293	48,349	62,235	69,393
2,596	54,944	55,902	56,853	60,410	60,150	61,511	68,356
4,099	4,558	4,640	5,067	5,315	5,885	6,127	6,475
3,494	3,580	3,395	3,193	3,380	3,177	3,100	3,178
7,047	841,344	854,531	875,698	895,296	924,943	943,344	958,966
5,012	201,260	202,770	201,998	197,861	193,518	182,860	175,185
2,279	335,093	348,727	353,050	364,311	371,156	357,635	355,521
8,084	8,425	8,255	8,410	8,813	8,652	8,416	8,834
2,620	43,005	45,697	46,641	49,659	49,828	51,564	52,202
4,807	36,306	36,820	37,842	39,405	40,484	41,340	42,598
9,762	31,336	32,658	34,038	36,246	36,812	37,946	38,508
7,923	89,394	90,564	91,010	92,715	93,188	93,095	95,336
0,642	69,064	70,564	73,457	78,015	80,394	82,672	83,311
3,698	13,910	13,943	13,920	14,236	14,525	14,031	14,654
6,570	27,584	27,734	27,585	27,874	27,271	25,587	26,932
8,156	60,122	61,365	62,528	65,759	68,017	68,898	71,463
4,719	4,745	5,026	5,001	5,413	5,543	5,757	6,105
7,792	7,724	7,772	7,960	8,394	8,763	9,093	9,472
0,445	31,683	33,367	35,286	38,230	38,354	39,868	39,981
0,824	11,543	12,164	12,197	12,703	13,406	13,494	13,536
3,815	4,256	4,114	4,441	4,477	4,615	4,409	4,493
9,700	20,465	21,125	21,492	22,556	24,053	24,480	25,483
4,881	15,649	16,015	16,228	17,301	18,211	18,299	18,845
5,238	5,661	5,937	6,194	6,467	7,040	7,314	7,578
7,648	7,997	8,445	8,384	8,961	8,752	8,840	8,896
1,960	34,179	35,503	37,184	39,907	42,107	43,948	46,041
3,248	22,545	22,744	22,923	23,378	23,852	23,441	22,464
8,017	8,506	8,604	8,822	8,895	8,829	8,588	8,685
8,243	31,187	33,017	34,223	36,043	37,518	37,513	39,628
1,070	297,182	300,842	314,476	324,066	337,245	334,830	349,115
8,154	1,325,237	1,366,565	1,407,706	1,459,743	1,492,372	1,543,240	1,536,684
3,501	71,343	74,072	74,556	75,995	77,575	80,233	83,285
1,497	1,436	1,379	1,509	1,490	1,336	1,314	1,438
9,626	57,513	60,346	62,348	67,438	73,855	77,954	86,024
6,582	6,238	5,568	5,800	6,268	5,956	5,838	5,863

chnical Personnel" should be summed with "Psychologists"

essions from the American Hospital Association's 1993 Annual Survey of Hospitals.

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TABLE 111. PERCENT CHANGE IN FULL-TIME EQUIVALENT EMPLOYMENT

OCCUPATION	1983-84	1984-85	1985-86	19
Number of Hospitals	-0.2	0.0	-0.5	
Total Hospital Personnel	-2.1	-0.3	0.6	
Administrators and Assistant Administrators	4.3	0.4	7.9	
Physicians	3.1	2.1	3.6	
Physicians Assistants	17.5	-14.0	6.5	
Dentists	2.7	-2.9	7.0	
Registered Nurses	0.3	2.1	3.5	
Licensed Practical Nurses	-9.9	-6.8	-5.7	
Ancillary Nursing Personnel	-8.4	-6.7	-3.1	
Medical Records Administrator	1.4	1.3	6.7	
Medical Records Technicians	4.1	2.4	6.7	
Pharmacists-Licensed	1.3	2.2	2.3	
Pharmacy Technicians	0.0	2.5	4.2	
Medical Technologists	-0.9	-0.4	-1.1	
Other Laboratory Personnel	-3.5	-1.9	2.1	
Dietitians	-2.9	-0.4	-0.2	
Dietetic Technicians	-3.0	-3.7	2.4	
Radiographer (Radiologic Technologists)	-2.4	1.6	2.6	
Radiation Therapy Technologists	-0.8	-0.4	22.0	
Nuclear Medicine Technologists	1.0	-0.9	4.0	
Other Radiologic Personnel	-0.8	-0.1	2.3	
Occupational Therapists	5.4	3.9	12.0	
Occupational Therapy Assistants and Aides	2.0	2.0	-1.6	
Physical Therapists	1.1	4.1	5.0	
Physical Therapy Assistants and Aides	-3.8	0.7	1.0	
Speech Pathologists/Audiologists	5.7	6.9	12.0	
Recreational Therapists	5.1	3.2	-0.1	
Respiratory Therapists	2.5	5.0	9.7	
Respiratory Therapy Technicians	-3.8	-5.3	-4.4	
Psychologists 1/	N/A	14.8	8.7	
Medical Social Workers	2.5	2.4	2.9	
All Other Health Professions and Technical Personnel 1/	-2.1	3.1	8.7	
All Other Non-Health Professions and Non-Technical Personnel	-1.8	0.2	-2.3	
Medical Residents and Interns	2.6	-3.2	6.0	
Dental Residents and Interns	-2.7	-5.5	7.9	
Nursing Home Personnel 2/	1.6	4.0	11.1	
Other Trainees 2/	-15.3	-15.6	3.7	

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part-t
1/ For comparison with data prior to 1984 "All Other Health Professions a
2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Health
Hospitals. Also prior annual surveys.

FOR U.S. REGISTERED HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

86-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1983-93
-0.3	-0.6	-0.9	-1.1	-0.2	-1.4	-1.1	-6.1
2.6	2.6	2.5	3.1	2.4	1.7	1.2	14.9
2.3	9.2	-0.1	0.0	4.4	28.7	11.5	89.1
4.5	1.7	1.7	6.3	-0.4	2.3	11.1	41.7
11.2	1.8	9.2	4.9	10.7	4.1	5.7	70.1
2.5	-5.2	-5.9	5.9	-6.0	-2.4	2.5	-2.9
3.0	1.6	2.5	2.2	3.3	2.0	1.7	24.4
-1.8	0.8	-0.4	-2.0	-2.2	-5.5	-4.2	-32.4
0.8	4.1	1.2	3.2	1.9	-3.6	-0.6	-11.4
4.2	-2.0	1.9	4.8	-1.8	-2.7	5.0	19.7
0.9	6.3	2.1	6.5	0.3	3.5	1.2	39.3
4.3	1.4	2.8	4.1	2.7	2.1	3.0	29.6
5.3	4.2	4.2	6.5	1.6	3.1	1.5	38.1
1.7	1.3	0.5	1.9	0.5	-0.1	2.4	5.8
-2.2	2.2	4.1	6.2	3.0	2.8	0.8	14.0
1.5	0.2	-0.2	2.3	2.0	-3.4	4.4	3.2
3.8	0.5	-0.5	1.0	-2.2	-6.2	5.3	-3.0
3.4	2.1	1.9	5.2	3.4	1.3	3.7	25.1
0.6	5.9	-0.5	8.2	2.4	3.9	6.0	55.9
-0.9	0.6	2.4	5.5	4.4	3.8	4.2	26.6
4.1	5.3	5.8	8.3	0.3	3.9	0.3	33.1
6.6	5.4	0.3	4.1	5.5	0.7	0.3	53.4
11.6	-3.3	7.9	0.8	3.1	-4.5	1.9	20.5
3.9	3.2	1.7	5.0	6.6	1.8	4.1	43.1
5.2	2.3	1.3	6.6	5.3	0.5	3.0	23.9
8.1	4.9	4.3	4.4	8.9	3.9	3.6	83.2
4.6	5.6	-0.7	6.9	-2.3	1.0	0.6	26.0
6.9	3.9	4.7	7.3	5.5	4.4	4.8	70.1
-3.0	0.9	0.8	2.0	2.0	-1.7	-4.2	-15.8
6.1	1.2	2.5	0.8	-0.7	-2.7	1.1	N/A
10.4	5.9	3.7	5.3	4.1	-0.0	5.6	51.6
5.7	1.2	4.5	3.0	4.1	-0.7	4.3	36.4
2.9	3.1	3.0	3.7	2.2	3.4	-0.4	14.7
-2.9	3.8	0.7	1.9	2.1	3.4	3.8	19.3
-4.1	-4.0	9.4	-1.3	-10.3	-1.6	9.4	-4.8
-3.5	4.9	3.3	8.2	9.5	5.6	10.4	69.4
-5.2	-10.7	4.2	8.1	-5.0	-2.0	0.4	-33.9

time
nd Technical Personnel" should be summed with "Psychologists"

Professions from the American Hospital Association's 1993 Annual Survey of

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TABLE 112. FULL-TIME EQUIVALENT EMPLOYMENT FOR U.S. REG

OCCUPATION	1983	1984	1985	
Number of Hospitals	5,783	5,759	5,732	
Total Hospital Personnel	3,130,131	3,050,767	3,024,929	3,0
Administrators and Assistant Administrators	28,805	30,336	30,174	
Physicians	25,520	27,056	27,170	
Physicians Assistants	2,222	2,223	2,272	
Dentists	432	429	452	
Registered Nurses	698,151	697,840	709,253	7
Licensed Practical Nurses	229,735	204,559	186,780	1
Ancillary Nursing Personnel	294,180	259,220	235,853	2
Medical Records Administrator	6,399	6,518	6,532	
Medical Records Technicians	32,716	34,008	34,667	
Pharmacists-Licensed	28,181	28,442	28,985	
Pharmacy Technicians	23,896	23,654	23,988	
Medical Technologists	83,935	83,253	82,606	
Other Laboratory Personnel	66,014	63,424	62,225	
Dietitians	11,798	11,329	11,447	
Dietetic Technicians	24,825	23,488	22,158	
Radiographer (Radiologic Technologists)	53,635	52,275	52,949	
Radiation Therapy Technologists	3,726	3,707	3,629	
Nuclear Medicine Technologists	6,951	7,031	6,941	
Other Radiologic Personnel	28,197	27,751	27,834	
Occupational Therapists	5,636	5,986	6,379	
Occupational Therapy Assistants and Aides	1,531	1,584	1,646	
Physical Therapists	15,387	15,682	16,260	
Physical Therapy Assistants and Aides	13,372	12,803	12,804	
Speech Pathologists/Audiologists	2,684	2,964	3,253	
Recreational Therapists	1,911	1,989	2,005	
Respiratory Therapists	26,608	27,296	28,572	
Respiratory Therapy Technicians	24,882	23,815	22,484	
Psychologists 1/	N/A	1,569	1,872	
Medical Social Workers	14,489	14,927	15,192	
All Other Health Professions and Technical Personnel 1/	193,275	192,752	202,287	2
All Other Non-Health Professions and Non-Technical Personnel	1,121,040	1,100,977	1,097,411	1,0
Medical Residents and Interns	59,022	61,030	58,403	
Dental Residents and Interns	966	859	755	
Nursing Home Personnel 2/	32,050	33,006	34,734	
Other Trainees 2/	6,527	5,029	4,209	

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part-time
1/ For comparison with data prior to 1984 "All Other Health Professions and T
2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Health Pro
Also prior annual surveys.

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STERED COMMUNITY HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

1986	1987	1988	1989	1990	1991	1992	1993
5,678	5,611	5,533	5,455	5,384	5,342	5,292	5,261
5,071	3,143,077	3,231,745	3,328,509	3,439,820	3,554,962	3,635,530	3,688,323
2,990	32,978	35,715	37,269	37,015	39,505	52,575	57,811
9,263	31,974	32,732	33,850	36,451	37,091	38,079	44,119
2,548	2,988	2,994	3,313	3,543	3,940	4,320	4,676
594	713	636	499	820	494	467	540
6,253	758,976	770,613	791,521	809,920	840,493	858,916	874,115
4,154	170,433	170,637	172,143	167,945	165,871	157,208	148,885
6,821	234,162	244,297	252,500	268,113	278,125	274,015	274,195
6,984	7,319	7,112	7,198	7,490	7,450	7,300	7,580
7,073	37,745	39,822	40,636	43,233	43,930	45,733	45,952
9,582	30,876	31,322	32,308	33,496	34,659	35,473	36,452
5,097	26,421	27,437	28,676	30,508	31,076	32,112	32,243
1,500	83,151	84,219	84,612	86,163	86,844	86,520	88,290
4,122	63,032	64,416	67,511	71,717	74,243	76,803	76,886
1,069	11,283	11,288	11,260	11,540	11,954	11,499	12,117
3,172	23,256	23,838	23,157	24,013	23,340	21,733	22,726
4,502	56,574	57,636	58,600	61,748	64,151	64,955	66,986
4,462	4,508	4,738	4,802	5,169	5,207	5,480	5,832
7,224	7,195	7,290	7,450	7,842	8,164	8,520	8,856
8,495	29,667	31,434	33,644	36,539	36,933	38,446	38,550
7,320	7,958	8,550	8,712	9,623	10,452	11,060	11,365
1,678	1,946	2,080	2,276	2,591	2,751	2,842	2,989
7,237	18,049	18,639	18,933	20,131	21,783	22,518	23,686
2,979	13,643	14,041	14,174	15,324	16,221	16,438	16,992
3,776	4,035	4,346	4,608	4,909	5,550	5,910	6,177
2,212	2,427	2,503	2,616	2,930	3,087	3,392	3,551
0,882	32,857	34,171	35,660	38,336	40,382	42,077	44,109
1,869	21,246	21,519	21,695	22,067	22,587	22,260	21,042
2,376	2,618	2,466	2,677	2,796	2,927	2,994	3,084
6,042	17,747	18,685	19,698	21,389	23,077	23,515	25,488
3,284	240,666	242,586	253,362	261,809	275,796	275,396	286,344
6,369	1,105,089	1,149,941	1,188,128	1,229,658	1,269,462	1,317,381	1,322,366
2,271	60,634	63,168	64,101	64,031	66,554	68,823	72,519
935	919	881	929	968	871	779	889
7,058	35,806	40,984	43,436	48,812	51,900	57,658	65,862
4,160	3,731	3,538	3,611	4,112	4,145	3,722	4,154

chnical Personnel" should be summed with "Psychologists"

essions from the American Hospital Association's 1993 Annual Survey of Hospitals.

TABLE 113. PERCENT CHANGE IN FULL-TIME EQUIVALENT EMPLOYMENT FOR

OCCUPATION	1983-84	1984-85	1985-86
Number of Hospitals	-0.4	-0.5	-0.9
Total Hospital Personnel	-2.5	-0.8	1.0
Administrators and Assistant Administrators	5.3	-0.5	9.3
Physicians	6.0	0.4	7.7
Physicians Assistants	0.0	2.2	12.1
Dentists	-0.7	5.4	31.4
Registered Nurses	-0.0	1.6	3.8
Licensed Practical Nurses	-11.0	-8.7	-6.8
Ancillary Nursing Personnel	-11.9	-9.0	-3.8
Medical Records Administrator	1.9	0.2	6.9
Medical Records Technicians	3.9	1.9	6.9
Pharmacists-Licensed	0.9	1.9	2.1
Pharmacy Technicians	-1.0	1.4	4.6
Medical Technologists	-0.8	-0.8	-1.3
Other Laboratory Personnel	-3.9	-1.9	3.0
Dietitians	-4.0	1.0	-3.3
Dietetic Technicians	-5.4	-5.7	4.6
Radiographer (Radiologic Technologists)	-2.5	1.3	2.9
Radiation Therapy Technologists	-0.5	-2.1	23.0
Nuclear Medicine Technologists	1.2	-1.3	4.1
Other Radiologic Personnel	-1.6	0.3	2.4
Occupational Therapists	6.2	6.6	14.8
Occupational Therapy Assistants and Aides	3.5	3.9	1.9
Physical Therapists	1.9	3.7	6.0
Physical Therapy Assistants and Aides	-4.3	0.0	1.4
Speech Pathologists/Audiologists	10.4	9.8	16.1
Recreational Therapists	4.1	0.8	10.3
Respiratory Therapists	2.6	4.7	8.1
Respiratory Therapy Technicians	-4.3	-5.6	-2.7
Psychologists 1/	N/A	19.3	26.9
Medical Social Workers	3.0	1.8	5.6
All Other Health Professions and Technical Personnel 1/	-0.3	4.9	10.4
All Other Non-Health Professions and Non-Technical Personnel	-1.8	-0.3	-1.9
Medical Residents and Interns	3.4	-4.3	6.6
Dental Residents and Interns	-11.1	-12.1	23.8
Nursing Home Personnel 2/	3.0	5.2	6.7
Other Trainees 2/	-23.0	-16.3	-1.2

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part
1/ For comparison with data prior to 1984 "All Other Health Professions
2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Healt
Hospitals. Also prior annual surveys.

U.S. REGISTERED COMMUNITY HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1983-93
-1.2	-1.4	-1.4	-1.3	-0.8	-0.9	-0.6	-9.0
2.9	2.8	3.0	3.3	3.3	2.3	1.5	17.8
-0.0	8.3	4.4	-0.7	6.7	33.1	10.0	100.7
9.3	2.4	3.4	7.7	1.8	2.7	15.9	72.9
17.3	0.2	10.7	6.9	11.2	9.6	8.2	110.4
20.0	-10.8	-21.5	64.3	-39.8	-5.5	15.6	25.0
3.1	1.5	2.7	2.3	3.8	2.2	1.8	25.2
-2.1	0.1	0.9	-2.4	-1.2	-5.2	-5.3	-35.2
3.2	4.3	3.4	6.2	3.7	-1.5	0.1	-6.8
4.8	-2.8	1.2	4.1	-0.5	-2.0	3.8	18.5
1.8	5.5	2.0	6.4	1.6	4.1	0.5	40.5
4.4	1.4	3.1	3.7	3.5	2.3	2.8	29.3
5.3	3.8	4.5	6.4	1.9	3.3	0.4	34.9
2.0	1.3	0.5	1.8	0.8	-0.4	2.0	5.2
-1.7	2.2	4.8	6.2	3.5	3.4	0.1	16.5
1.9	0.0	-0.2	2.5	3.6	-3.8	5.4	2.7
0.4	2.5	-2.9	3.7	-2.8	-6.9	4.6	-8.5
3.8	1.9	1.7	5.4	3.9	1.3	3.1	24.9
1.0	5.1	1.4	7.6	0.7	5.2	6.4	56.5
-0.4	1.3	2.2	5.3	4.1	4.4	3.9	27.4
4.1	6.0	7.0	8.6	1.1	4.1	0.3	36.7
8.7	7.4	1.9	10.5	8.6	5.8	2.8	101.7
16.0	6.9	9.4	13.8	6.2	3.3	5.2	95.2
4.7	3.3	1.6	6.3	8.2	3.4	5.2	53.9
5.1	2.9	0.9	8.1	5.9	1.3	3.4	27.1
6.9	7.7	6.0	6.5	13.1	6.5	4.5	130.1
9.7	3.1	4.5	12.0	5.4	9.9	4.7	85.8
6.4	4.0	4.4	7.5	5.3	4.2	4.8	65.8
-2.8	1.3	0.8	1.7	2.4	-1.4	-5.5	-15.4
10.2	-5.8	8.6	4.4	4.7	2.3	3.0	N/A
10.6	5.3	5.4	8.6	7.9	1.9	8.4	75.9
7.8	0.8	4.4	3.3	5.3	-0.1	4.0	48.2
2.7	4.1	3.3	3.5	3.2	3.8	0.4	18.0
-2.6	4.2	1.5	-0.1	3.9	3.4	5.4	22.9
-1.7	-4.1	5.4	4.2	-10.0	-10.6	14.1	-8.0
-3.4	14.5	6.0	12.4	6.3	11.1	14.2	105.5
-10.3	-5.2	2.1	13.9	0.8	-10.2	11.6	-36.4

-time
and Technical Personnel" should be summed with "Psychologists"

n Professions from the American Hospital Association's 1993 Annual Survey of

TABLE 201. TOTAL AND ACTIVE PHYSICIANS
SELECTED YEA

YEAR	NUMBER OF PHYSICIANS 1/		TOTAL POP (THOUSANDS) 3/	P P P
	TOTAL	ACTIVE 2/		TOTAL
1950	219,997	208,997	154,668	142.
1955	241,711	228,553	168,373	143.
1960	260,484	247,257	183,236	142.
1965	292,088	277,575	197,147	148.
1970	334,028	311,203	208,066	160.
1975	393,742	366,425	219,272	179.
1976	409,446	378,572	221,333	185.
1977	421,278	381,969	223,653	188.
1978	437,486	401,364	226,043	193.
1979	454,564	417,266	228,569	198.
1980	467,679	435,545	231,266	202.
1981	485,123	444,899	233,459	207.
1982	501,958	462,947	235,691	213.
1983	519,546	479,440	238,139	218.
1985	552,716	511,090	242,024	228.
1986	569,160	519,411	244,205	233.
1987	585,597	534,692	246,379	237.
1988 4/	600,789	549,160	248,596	241.
1989 4/	615,421	559,988	251,142	245.

(MDs) AND PHYSICIAN-TO-POPULATION RATIOS,
S 1950-1997

YSICIANS R 100,000 PULATION ACTIVE	ACTIVE NON-FEDERAL PHYSICIANS 2/	CIVILIAN POP (THOUSANDS) 3/	ACTIVE NON-FEDERAL PHYSICIANS PER 100,000 CIVILIAN POP
135.1	193,900	153,216	126.6
135.7	213,000	165,474	128.7
134.9	230,200	180,727	127.4
140.8	254,761	194,412	131.0
149.6	281,702	204,736	137.6
167.1	338,234	214,671	157.6
171.0	350,994	216,309	162.3
170.8	362,043	218,143	166.0
177.6	381,122	219,890	173.3
182.6	398,735	226,482	176.1
188.3	417,758	229,097	182.3
190.6	425,117	231,481	183.7
196.4	443,467	233,842	189.6
201.3	460,036	236,114	194.8
211.2	489,523	240,589	203.5
212.7	497,473	242,940	204.8
217.0	512,946	245,253	209.1
220.9	528,801	246,421	214.6
223.0	539,513	248,706	216.9

TABLE 201. TOTAL AND ACTIVE PHYSICIANS
SELECTED YEAR

YEAR	NUMBER OF PHYSICIANS 1/ TOTAL	NUMBER OF PHYSICIANS 1/ ACTIVE 2/	TOTAL POP (THOUSANDS) 3/	PH PE PO TOTAL
1990 4,5/	631,830	572,660	253,250	249.5
1991 4/	653,062	594,697	256,570	254.5
1992 4/	670,336	605,685	259,250	258.6
1993 4/	684,414	619,751	261,940	261.3
1994 5,6/	700,552	632,121	264,811	264.5
1995	720,325	646,022	267,205	269.6
1996	737,764	663,943	269,716	273.5
1997	756,710	684,605	272,115	278.1

1/ Includes physicians in Federal Service; also includes physicians in
2/ Active physicians are physicians who are involved in patient care or professional activities) for more than twenty hours a week. Active whose activity status or present employment setting are not known.
3/ Includes civilian population in U.S. Possessions.
4/ MD counts for 1988 through 1993 were reported as of Jan 1 of the fol starting in 1994, the data are as of Dec 31. In order to maintain c
5/ Data are unpublished.
6/ Total and active physicians exclude address unknown.

SOURCE: Data for 1950 through 1960 from U.S. Department of Health, Educ Resources Statistics 1965, PHS Pub. No. 1509, 1966. Data for 1965 throu Distribution in the U.S., 1999 Edition. Also prior annual issues (forme US Bureau of the Census. Current Population Report Series P-25, Nos. 33 Statistical Abstract of the United States, 1998 edition. Also prior ann

(MDs) AND PHYSICIAN-TO-POPULATION RATIOS,
S 1950-1997 (CONTINUED)

YSICIANS R 100,000 PULATION ACTIVE	ACTIVE NON-FEDERAL PHYSICIANS 2/	CIVILIAN POP (THOUSANDS) 3/	ACTIVE NON-FEDERAL PHYSICIANS PER 100,000 CIVILIAN POP
226.1	553,150	251,350	220.1
231.8	575,481	254,448	226.2
233.6	584,011	257,286	227.0
236.6	597,297	260,154	229.6
238.7	613,030	263,092	233.0
241.8	624,943	265,578	235.3
246.2	643,514	268,157	240.0
251.6	665,249	270,598	245.8

J.S. possessions.
non-patient care (teaching, research,administration, or other
physicians also include unclassified physicians, i.e., physicians

lowing year by the American Medical Association. Prior to 1988 and
onsistency, MD counts in this table are reported as of Dec 31.

ation and Welfare, National Center for Health Statistics. Health
gh 1997 from American Medical Association. Physician Characteristics and
rly titled Physician Distribution and Medical Licensure in the US).
6, 460, 603, 941, 943, 960, 965, 1023, 1036, 1049, 1110, and 1128.
ual editions.

TABLE 202. NUMBER OF ACTIVE PHYSICIANS (MDs) AND PHYSICIAN-T

TYPE OF PRACTICE	1970 ACTIVE MDs	1970 PER 100K POP	1975 ACTIVE MDs	1975 PER 100K POP	1980 ACTIVE MDs	1980 PER 100 POP
Estimated Active 3/	311,203	149.6	366,425	167.1	435,545	188
Primary Care	115,822	55.7	124,064	56.6	146,093	63
General and Family Practice	57,948	27.9	54,557	24.9	60,049	26
Internal Medicine	39,924	19.2	47,761	21.8	58,462	25
Pediatrics	17,950	8.6	21,746	9.9	27,582	11
Medical Specialties	19,340	9.3	25,580	11.7	39,711	17
Allergy & Immunology 4/	1,719	0.8	1,716	0.8	1,518	0
Cardiovascular Disease	6,476	3.1	6,933	3.2	9,823	4
Dermatology	4,003	1.9	4,661	2.1	5,660	2
Family Practice Subspecialties	--	--	--	--	--	
Gastroenterology	2,010	1.0	2,381	1.1	4,046	1
Internal Medicine Subspecialties	1,948	0.9	6,570	3.0	13,069	5
Pediatric Allergy	382	0.2	446	0.2	461	0
Pediatric Cardiology	487	0.2	538	0.2	659	0
Other Pediatric Subspecialties	--	--	--	--	760	0
Pulmonary Diseases	2,315	1.1	2,335	1.1	3,715	1
Surgical Specialties	86,042	41.4	96,015	43.8	110,778	47
Colon/Rectal Surgery	667	0.3	661	0.3	719	0
General Surgery	29,761	14.3	31,562	14.4	34,034	14
Neurological Surgery	2,578	1.2	2,926	1.3	3,341	1
Obstetrics and Gynecology	18,876	9.1	21,731	9.9	26,305	11
Ophthalmology	9,927	4.8	11,129	5.1	12,974	5
Orthopedic Surgery	9,620	4.6	11,379	5.2	13,996	6
Otolaryngology	5,409	2.6	5,745	2.6	6,553	2
Plastic Surgery	1,600	0.8	2,236	1.0	2,980	
Thoracic Surgery	1,809	0.9	1,979	0.9	2,133	
Urology	5,795	2.8	6,667	3.0	7,743	

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-POPULATION RATIOS BY SPECIALTY, SELECTED YEARS 1970-1996 1,2/

	1985		1991		1995		1996	
	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP
3	511,090	211.2	594,697	231.8	646,022	241.8	663,943	246.2
2	170,741	70.5	197,719	77.1	207,810	77.8	216,446	80.2
.0	67,051	27.7	71,687	27.9	75,976	28.4	78,910	29.3
.3	70,691	29.2	85,839	33.5	88,240	33.0	92,321	34.2
.9	32,999	13.6	40,193	15.7	43,594	16.3	45,215	16.8
.2	55,877	23.1	71,021	27.7	83,866	31.4	88,027	32.6
.7	3,060	1.3	3,441	1.3	3,775	1.4	3,793	1.4
.2	13,224	5.5	16,478	6.4	18,998	7.1	19,237	7.1
.4	6,582	2.7	7,912	3.1	8,563	3.2	8,854	3.3
..	..	..	1	0.0	236	0.1	286	0.1
.7	5,917	2.4	7,946	3.1	9,551	3.6	9,718	3.6
.7	18,171	7.5	23,178	9.0	26,928	10.1	29,804	11.1
.2	409	0.2	336	0.1	274	0.1	264	0.1
.3	813	0.3	1,040	0.4	1,336	0.5	1,357	0.5
.3	2,618	1.1	4,352	1.7	6,752	2.5	7,890	2.9
.6	5,083	2.1	6,337	2.5	7,453	2.8	6,824	2.5
.9	128,156	53.0	141,560	55.2	147,375	55.2	149,857	55.6
.3	817	0.3	869	0.3	990	0.4	1,018	0.4
.7	38,169	15.8	39,211	15.3	37,569	14.1	37,943	14.1
.4	4,019	1.7	4,501	1.8	4,888	1.8	4,924	1.8
.4	30,867	12.8	35,273	13.7	37,652	14.1	38,424	14.2
.6	14,881	6.1	16,433	6.4	17,464	6.5	17,777	6.6
.1	17,166	7.1	20,640	8.0	22,037	8.2	22,521	8.3
.8	7,267	3.0	8,373	3.3	9,086	3.4	9,028	3.3
.3	3,951	1.6	4,688	1.8	5,493	2.1	5,898	2.2
.9	2,183	0.9	2,120	0.8	2,310	0.9	2,303	0.9
.3	8,836	3.7	9,452	3.7	9,886	3.7	10,021	3.7

TABLE 202. NUMBER OF ACTIVE PHYSICIANS (MDs) AND PHYSICIAN-TO-POP

TYPE OF PRACTICE	1970 ACTIVE MDs	1970 PER 100K POP	1975 ACTIVE MDs	1975 PER 100K POP	198 ACTIVE MDs	P 1 P
Other Specialties	89,999	43.3	94,621	43.2	118,334	
Aerospace Medicine	1,188	0.6	684	0.3	587	
Anesthesiology	10,860	5.2	12,861	5.9	15,958	
Child Psychiatry	2,090	1.0	2,581	1.2	3,271	
Diagnostic Radiology	1,968	0.9	3,544	1.6	7,048	
Emergency Medicine	0	0.0	0	0.0	5,699	
General Preventive Medicine	804	0.4	789	0.4	810	
Medical Genetics	0	0.0	0	0.0	0	
Neurology	3,074	1.5	4,131	1.9	5,685	
Nuclear Medicine	0	0.0	0	0.0	0	
Occupational Medicine	2,713	1.3	2,355	1.1	2,358	
Pathology and Forensic Pathology	10,483	5.0	11,910	5.4	13,642	
Physical Medicine and Rehabilitation	1,479	0.7	1,664	0.8	2,146	
Psychiatry	21,146	10.2	23,922	10.9	27,481	
Public Health	3,029	1.5	2,665	1.2	2,316	
Radiology	10,524	5.1	11,527	5.3	11,653	
Radiation Oncology	868	0.4	1,169	0.5	1,581	
Other and Unspecified	19,773	9.5	14,819	6.8	18,099	
Not Classified	0	0.0	26,145	11.9	20,629	

1/ Includes physicians in Federal Service; also includes physicians in U.S in the U.S. possessions.
2/ MD counts for 1991 are reported as of January 1, 1992 by the American In order to maintain consistency, all MD counts in this table are repo
3/ Excludes inactive and address unknown categories.
4/ Beginning in 1985, allergy and immunology includes allergy and immunol included in the internal medicine specialty count. Also includes alle

SOURCE: American Medical Association. Physician Characteristics and Distr titled Physician Distribution and Medical Licensure in the U.S.)
U.S. Bureau of the Census. Current Population Reports. Series P-25 Nos. States: 1997 (117th edition) Washington, DC, 1997.

ULATION RATIOS BY SPECIALTY, SELECTED YEARS 1970-1996 1,2/ (Continued)

	1985		1991		1995		1996	
ER 00K OP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP
51.2	142,366	58.8	167,808	65.4	186,392	69.8	189,625	70.3
0.3	674	0.3	691	0.3	575	0.2	588	0.2
6.9	22,021	9.1	28,148	11.0	32,853	12.3	33,318	12.4
1.4	3,783	1.6	4,618	1.8	5,542	2.1	5,635	2.1
3.0	12,887	5.3	17,253	6.7	19,808	7.4	20,043	7.4
2.5	11,283	4.7	15,470	6.0	19,112	7.2	20,030	7.4
0.4	933	0.4	1,176	0.5	1,269	0.5	1,507	0.6
0.0	0	0.0	0	0.0	179	0.1	218	0.1
2.5	7,776	3.2	9,742	3.8	11,397	4.3	11,585	4.3
0.0	1,352	0.6	1,372	0.5	1,435	0.5	1,426	0.5
1.0	2,640	1.1	2,787	1.1	3,031	1.1	3,062	1.1
5.9	15,767	6.5	17,428	6.8	18,320	6.9	18,457	6.8
0.9	3,258	1.3	4,469	1.7	5,565	2.1	5,763	2.1
11.9	32,255	13.3	36,405	14.2	38,098	14.3	38,417	14.2
1.0	2,060	0.9	1,984	0.8	1,760	0.7	1,689	0.6
5.0	8,757	3.6	7,848	3.1	8,038	3.0	8,181	3.0
0.7	2,272	0.9	3,013	1.2	3,630	1.4	3,684	1.4
7.8	14,648	6.1	15,404	6.0	15,780	5.9	16,022	5.9
8.9	13,950	5.8	16,589	6.5	20,579	7.7	19,988	7.4

S. possessions. Ratios are based on total population plus civilian population

Medical Association. All other data are as of December 31.
rted as of December 31.

ogy, diagnostic laboratory immunology, and immunology which were previously
gy listed separately for 1980 and prior years.

ribution in the US 1997/98, Chicago, 1997. Also prior annual issues (formerly

941, 943, 1023, 1036, 1049, 1075, and 1093, Statistical Abstract of the United

TABLE 203. NUMBER, PERCENT AND PHYSICIAN-TO-POPULATION
BY PRIMARY CARE SPECIALTY

YEAR	TOTAL ACTIVE 1/ NUMBER	PER-CENT	MDs PER 100,000 POP.	PRIMARY CARE NUMBER	PER-CENT	MDs PER 100,000 POP.	GEN/FAM PRACTI NUMBER	PER-CENT	MD 10 P
1981	444,899	100.0	191	153,626	34.5	66	62,585	14.1	
1982	462,947	100.0	196	160,889	34.8	68	64,220	13.9	
1983	479,440	100.0	201	163,366	34.1	69	65,892	13.7	
1985	511,090	100.0	211	175,532	34.3	73	68,932	13.5	
1986	519,411	100.0	213	175,667	33.8	72	69,515	13.4	
1987	534,692	100.0	217	180,559	33.8	73	71,116	13.3	
1988 2/	549,160	100.0	221	184,350	33.6	74	72,008	13.1	
1989 2/	559,988	100.0	223	187,540	33.5	75	72,113	12.9	
1991 2/	594,697	100.0	232	203,394	34.2	79	73,745	12.4	
1992 2/	605,685	100.0	234	203,536	33.6	79	73,456	12.1	
1993 2/	619,751	100.0	237	204,738	33.0	78	74,889	12.1	
1994	632,121	100.0	239	209,054	33.1	79	76,486	12.1	
1995	646,022	100.0	242	214,891	33.3	80	78,720	12.2	
1996	663,943	100.0	246	223,164	33.6	83	81,359	12.3	

IATIOS OF PROFESSIONALLY ACTIVE MDs AND PATIENT CARE MDs
, SELECTED YEARS 1981-1996

CE	GEN INTERNAL MEDICINE			GEN PEDIATRICS			ALL OTHER		
s PER 0,000 OP.	NUMBER	PER-CENT	MDs PER 100,000 POP.	NUMBER	PER-CENT	MDs PER 100,000 POP.	NUMBER	PER-CENT	MDs PER 100,000 POP.
27	62,093	14.0	27	28,948	6.5	12	291,273	65.5	125
27	66,086	14.3	28	30,583	6.6	13	302,058	65.2	128
28	65,990	13.8	28	31,484	6.6	13	316,074	65.9	133
28	72,675	14.2	30	33,925	6.6	14	335,558	65.7	139
28	71,887	13.8	29	34,265	6.6	14	343,744	66.2	141
29	73,885	13.8	30	35,558	6.7	14	354,133	66.2	144
29	75,825	13.8	31	36,517	6.6	15	364,810	66.4	147
29	78,062	13.9	31	37,365	6.7	15	372,448	66.5	148
29	88,302	14.8	34	41,347	7.0	16	391,303	65.8	153
28	88,239	14.6	34	41,841	6.9	16	402,149	66.4	155
29	86,955	14.0	33	42,894	6.9	16	415,013	67.0	158
29	88,606	14.0	33	43,962	7.0	17	423,067	66.9	160
29	91,143	14.1	34	45,028	7.0	17	431,131	66.7	161
30	95,187	14.3	35	46,618	7.0	17	440,779	66.4	163

TABLE 203. NUMBER, PERCENT AND PHYSICIAN-TO-POPULATION R
BY PRIMARY CARE SPECIALTY, SELE

YEAR	ACTIVE PATIENT CARE 1,3/ NUMBER	PER-CENT	MDs PER 100,000 POP.	PRIMARY CARE NUMBER	PER-CENT	MDs PER 100,000 POP.	GEN/FAM PRACTICE NUMBER	PER-CENT	MDs 100 PO
1981	336,733	100.0	144	118,065	35.1	51	55,342	16.4	
1982	349,925	100.0	148	121,284	34.7	51	56,481	16.1	
1983	359,675	100.0	151	122,882	34.2	52	57,172	15.9	
1985	383,887	100.0	159	132,890	34.6	55	59,753	15.6	
1986	383,472	100.0	157	132,090	34.4	54	59,644	15.6	
1987	397,876	100.0	161	137,405	34.5	56	61,359	15.4	
1988 2/	411,668	100.0	166	140,972	34.2	57	62,468	15.2	
1989 2/	421,329	100.0	168	144,738	34.4	58	63,669	15.1	
1991 2/	454,297	100.0	177	156,046	34.3	61	65,023	14.3	
1992 2/	468,155	100.0	181	158,165	33.8	61	64,469	13.8	
1993 2/	478,286	100.0	183	158,586	33.2	61	64,938	13.6	
1994	489,857	100.0	185	162,656	33.2	61	66,013	13.5	
1995	501,763	100.0	188	166,966	33.3	62	67,156	13.4	
1996	518,183	100.0	192	173,912	33.6	64	69,191	13.4	

1/ Excludes inactive and unknown address; includes MDs not classified by ac
2/ Data for 1988 through 1993 were reported as of January 1 of the followin
data were reported as of December 31. In order to maintain consistency,
3/ Excludes residents and fellows.

SOURCES: American Medical Association. Physician Characteristics and Distr
U.S. Bureau of the Census, Current Population Reports Series P-25 Nos. 941,
the United States: 1997 (117th edition) Washington, DC, 1997.

ATIOS OF PROFESSIONALLY ACTIVE MDs AND PATIENT CARE MDs
CTED YEARS 1981-1996 (CONTINUED)

	GEN INTERNAL MEDICINE			GEN PEDIATRICS			ALL OTHER		
PER ,000 P.	NUMBER	PER-CENT	MDs PER 100,000 POP.	NUMBER	PER-CENT	MDs PER 100,000 POP.	NUMBER	PER-CENT	MDs PER 100,000 POP.
24	41,776	12.4	18	20,947	6.2	9	218,668	64.9	94
24	42,857	12.2	18	21,946	6.3	9	228,641	65.3	97
24	43,225	12.0	18	22,485	6.3	9	236,793	65.8	99
25	48,507	12.6	20	24,630	6.4	10	250,997	65.4	104
24	47,797	12.5	20	24,649	6.4	10	251,382	65.6	103
25	50,526	12.7	21	25,520	6.4	10	260,471	65.5	106
25	51,779	12.6	21	26,725	6.5	11	270,696	65.8	109
25	52,996	12.6	21	28,073	6.7	11	276,591	65.6	110
25	60,233	13.3	23	30,790	6.8	12	298,251	65.7	116
25	61,452	13.1	24	32,244	6.9	12	309,990	66.2	120
25	60,873	12.7	23	32,775	6.9	13	319,700	66.8	122
25	62,734	12.8	24	33,909	6.9	13	327,201	66.8	124
25	64,904	12.9	24	34,906	7.0	13	334,797	66.7	125
26	68,421	13.2	25	36,300	7.0	13	344,271	66.4	128

ivity status.
year by the American Medical Association. All other
MD data in this table are reported as of December 31.

bution in the US 1997/98, Chicago, 1997. Also prior annual editions.
943, 1023, 1036, 1049, 1110, and 1128. Statistical Abstract of

TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR

STATE	First Year Residents			
	US IMG	NON-US IMG	TOTAL IMG	OTHER
UNITED STATES	1,022	5,184	6,206	17,373
ALABAMA	4	23	27	237
ALASKA	0	0	0	0
ARIZONA	9	16	25	258
ARKANSAS	1	15	16	131
CALIFORNIA	66	165	231	1,740
COLORADO	0	5	5	219
CONNECTICUT	30	144	174	253
DELAWARE	1	4	5	52
DISTRICT OF COLUMBIA	15	97	112	330
FLORIDA	37	100	137	457
GEORGIA	21	68	89	389
HAWAII	1	5	6	118
IDAHO	0	1	1	15
ILLINOIS	43	444	487	879
INDIANA	8	29	37	267
IOWA	1	28	29	160
KANSAS	5	22	27	148
KENTUCKY	3	59	62	177
LOUISIANA	15	46	61	339
MAINE	0	1	1	54
MARYLAND	27	115	142	408
MASSACHUSETTS	37	157	194	888
MICHIGAN	60	317	377	678
MINNESOTA	10	66	76	332
MISSISSIPPI	1	9	10	98
MISSOURI	12	111	123	366
MONTANA	0	0	0	6
NEBRASKA	2	10	12	110
NEVADA	6	17	23	31
NEW HAMPSHIRE	1	5	6	54

ND TOTAL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97

Total Residents					
TOTAL	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
23,579	3,975	22,716	26,691	77,086	103,777
264	18	98	116	980	1,096
0	0	0	0	0	0
283	30	105	135	954	1,089
147	9	65	74	486	560
1,971	223	931	1,154	7,928	9,082
224	6	56	62	1,016	1,078
427	111	618	729	1,085	1,814
57	5	9	14	172	186
442	65	450	515	1,659	2,174
594	156	512	668	2,106	2,774
478	74	247	321	1,732	2,053
124	3	26	29	398	427
16	0	2	2	44	46
1,366	249	1,838	2,087	3,743	5,830
304	26	134	160	1,095	1,255
189	8	110	118	716	834
175	33	87	120	575	695
239	23	188	211	796	1,007
400	46	168	214	1,543	1,757
55	4	14	18	208	226
550	72	530	602	2,099	2,701
1,082	133	905	1,038	3,984	5,022
1,055	212	1,275	1,487	2,838	4,325
408	41	415	456	1,778	2,234
108	6	54	60	402	462
489	46	595	641	1,767	2,408
6	0	0	0	7	7
122	10	64	74	470	544
54	12	46	58	97	155
60	3	25	28	257	285

TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR AND

STATE	First Year Residents			
	US IMG	NON-US IMG	TOTAL IMG	OTHER
NEW JERSEY	87	327	414	300
NEW MEXICO	0	0	0	88
NEW YORK	257	1,594	1,851	1,666
NORTH CAROLINA	6	32	38	479
NORTH DAKOTA	1	13	14	30
OHIO	41	232	273	884
OKLAHOMA	6	10	16	148
OREGON	0	7	7	149
PENNSYLVANIA	63	386	449	1,088
RHODE ISLAND	8	33	41	119
SOUTH CAROLINA	2	6	8	226
SOUTH DAKOTA	1	10	11	24
TENNESSEE	19	57	76	373
TEXAS	26	217	243	1,178
UTAH	0	2	2	124
VERMONT	1	11	12	41
VIRGINIA	15	40	55	388
WASHINGTON	4	10	14	319
WEST VIRGINIA	9	31	40	102
WISCONSIN	9	63	72	271
WYOMING	0	0	0	14
PUERTO RICO	51	24	75	162
UNIDENTIFIED MILITARY	0	0	0	6

TOTAL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97 (Continued)

Total Residents					
TOTAL	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
714	293	1,209	1,502	1,219	2,721
88	11	19	30	382	412
3,517	948	6,400	7,348	7,819	15,167
517	36	206	242	2,261	2,503
44	3	33	36	87	123
1,157	149	1,029	1,178	3,718	4,896
164	21	80	101	585	686
156	3	32	35	630	665
1,537	262	1,659	1,921	5,103	7,024
160	40	162	202	521	723
234	21	64	85	867	952
35	7	22	29	72	101
449	56	305	361	1,602	1,963
1,421	170	1,096	1,266	5,182	6,448
126	3	33	36	525	561
53	6	33	39	188	227
443	47	230	277	1,631	1,908
333	17	69	86	1,419	1,505
142	28	153	181	437	618
343	40	261	301	1,275	1,576
14	0	0	0	43	43
237	190	54	244	579	823
6	0	0	0	6	6

TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR AND T

STATE	First Year Residents			
	US IMG	NON-US IMG	TOTAL IMG	OTHER
UNITED STATES	4.3	22.0	26.3	73.7
ALABAMA	1.5	8.7	10.2	89.8
ALASKA	0.0	0.0	0.0	0.0
ARIZONA	3.2	5.7	8.8	91.2
ARKANSAS	0.7	10.2	10.9	89.1
CALIFORNIA	3.3	8.4	11.7	88.3
COLORADO	0.0	2.2	2.2	97.8
CONNECTICUT	7.0	33.7	40.7	59.3
DELAWARE	1.8	7.0	8.8	91.2
DISTRICT OF COLUMBIA	3.4	21.9	25.3	74.7
FLORIDA	6.2	16.8	23.1	76.9
GEORGIA	4.4	14.2	18.6	81.4
HAWAII	0.8	4.0	4.8	95.2
IDAHO	0.0	6.3	6.3	93.8
ILLINOIS	3.1	32.5	35.7	64.3
INDIANA	2.6	9.5	12.2	87.8
IOWA	0.5	14.8	15.3	84.7
KANSAS	2.9	12.6	15.4	84.6
KENTUCKY	1.3	24.7	25.9	74.1
LOUISIANA	3.8	11.5	15.3	84.8
MAINE	0.0	1.8	1.8	98.2
MARYLAND	4.9	20.9	25.8	74.2
MASSACHUSETTS	3.4	14.5	17.9	82.1
MICHIGAN	5.7	30.0	35.7	64.3
MINNESOTA	2.5	16.2	18.6	81.4
MISSISSIPPI	0.9	8.3	9.3	90.7
MISSOURI	2.5	22.7	25.2	74.8
MONTANA	0.0	0.0	0.0	0.0
NEBRASKA	1.6	8.2	9.8	90.2
NEVADA	11.1	31.5	42.6	57.4
NEW HAMPSHIRE	1.7	8.3	10.0	90.0

OTAL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97 (Continued)

Total Residents					
TOTAL	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
100.0	3.8	21.9	25.7	74.3	100.0
100.0	1.6	8.9	10.6	89.4	100.0
0.0	0.0	0.0	0.0	0.0	0.0
100.0	2.8	9.6	12.4	87.6	100.0
100.0	1.6	11.6	13.2	86.8	100.0
100.0	2.5	10.3	12.7	87.3	100.0
100.0	0.6	5.2	5.8	94.2	100.0
100.0	6.1	34.1	40.2	59.8	100.0
100.0	2.7	4.8	7.5	92.5	100.0
100.0	3.0	20.7	23.7	76.3	100.0
100.0	5.6	18.5	24.1	75.9	100.0
100.0	3.6	12.0	15.6	84.4	100.0
100.0	0.7	6.1	6.8	93.2	100.0
100.0	0.0	4.3	4.3	95.7	100.0
100.0	4.3	31.5	35.8	64.2	100.0
100.0	2.1	10.7	12.7	87.3	100.0
100.0	1.0	13.2	14.1	85.9	100.0
100.0	4.7	12.5	17.3	82.7	100.0
100.0	2.3	18.7	21.0	79.0	100.0
100.0	2.6	9.6	12.2	87.8	100.0
100.0	1.8	6.2	8.0	92.0	100.0
100.0	2.7	19.6	22.3	77.7	100.0
100.0	2.6	18.0	20.7	79.3	100.0
100.0	4.9	29.5	34.4	65.6	100.0
100.0	1.8	18.6	20.4	79.6	100.0
100.0	1.3	11.7	13.0	87.0	100.0
100.0	1.9	24.7	26.6	73.4	100.0
0.0	0.0	0.0	0.0	0.0	0.0
100.0	1.8	11.8	13.6	86.4	100.0
100.0	7.7	29.7	37.4	62.6	100.0
100.0	1.1	8.8	9.8	90.2	100.0

TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR AND TOT

STATE	First Year Residents			
	US IMG	NON-US IMG	TOTAL IMG	OTHER
NEW JERSEY	12.2	45.8	58.0	42.0
NEW MEXICO	0.0	0.0	0.0	100.0
NEW YORK	7.3	45.3	52.6	47.4
NORTH CAROLINA	1.2	6.2	7.4	92.6
NORTH DAKOTA	2.3	29.5	31.8	68.2
OHIO	3.5	20.1	23.6	76.4
OKLAHOMA	3.7	6.1	9.8	90.2
OREGON	0.0	4.5	4.5	95.5
PENNSYLVANIA	4.1	25.1	29.2	70.8
RHODE ISLAND	5.0	20.6	25.6	74.4
SOUTH CAROLINA	0.9	2.6	3.4	96.6
SOUTH DAKOTA	2.9	28.6	31.4	68.6
TENNESSEE	4.2	12.7	16.9	83.1
TEXAS	1.8	15.3	17.1	82.9
UTAH	0.0	1.6	1.6	98.4
VERMONT	1.9	20.8	22.6	77.4
VIRGINIA	3.4	9.0	12.4	87.6
WASHINGTON	1.2	3.0	4.2	95.8
WEST VIRGINIA	6.3	21.8	28.2	71.8
WISCONSIN	2.6	18.4	21.0	79.0
WYOMING	0.0	0.0	0.0	100.0
PUERTO RICO	21.5	10.1	31.6	68.4
UNIDENTIFIED MILITARY	0.0	0.0	0.0	0.0

NOTE: International Medical Graduates (IMGs) are graduates of medical sch

SOURCE: Association of American Medical Colleges. AAMC GME Tracking Cens

AL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97 (Continued)

			Total Residents		
TOTAL	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
100.0	10.8	44.4	55.2	44.8	100.0
100.0	2.7	4.6	7.3	92.7	100.0
100.0	6.3	42.2	48.4	51.6	100.0
100.0	1.4	8.2	9.7	90.3	100.0
100.0	2.4	26.8	29.3	70.7	100.0
100.0	3.0	21.0	24.1	75.9	100.0
100.0	3.1	11.7	14.7	85.3	100.0
100.0	0.5	4.8	5.3	94.7	100.0
100.0	3.7	23.6	27.3	72.7	100.0
100.0	5.5	22.4	27.9	72.1	100.0
100.0	2.2	6.7	8.9	91.1	100.0
100.0	6.9	21.8	28.7	71.3	100.0
100.0	2.9	15.5	18.4	81.6	100.0
100.0	2.6	17.0	19.6	80.4	100.0
100.0	0.5	5.9	6.4	93.6	100.0
100.0	2.6	14.5	17.2	82.8	100.0
100.0	2.5	12.1	14.5	85.5	100.0
100.0	1.1	4.6	5.7	94.3	100.0
100.0	4.5	24.8	29.3	70.7	100.0
100.0	2.5	16.6	19.1	80.9	100.0
100.0	0.0	0.0	0.0	100.0	100.0
100.0	23.1	6.6	29.6	70.4	100.0
0.0	0.0	0.0	0.0	100.0	100.0

ools located outside the US, the US possessions or Canada.

us, SAIMS Database

TABLE 205. APPLICANTS TO SCHOOLS
ACADEMIC YEARS 1

ACADEMIC YEAR	NUMBER OF APPLICANTS
1975-76	42,303 1/
1976-77	42,155
1977-78	40,569
1978-79	36,636
1979-80	36,141
1980-81	36,100
1981-82	36,727
1982-83	35,730
1983-84	35,200
1984-85	35,944
1985-86	32,893
1986-87	31,323
1987-88	28,123
1988-89	26,721
1989-90	26,915
1990-91	29,243
1991-92	33,301
1992-93	37,410
1993-94	42,808
1994-95	45,365
1995-96	46,591
1996-97	46,968
1997-98	43,020

1/ Includes 56 students for whom gender infor

SOURCE: Association of American Medical Colle
Related to Medical Education, January 1998.

OF ALLOPATHIC MEDICINE BY GENDER,
975-76 TO 1997-98

MEN	WOMEN	PERCENT WOMEN
32,630	9,617	22.7
31,911	10,244	24.3
30,374	10,195	25.1
27,075	9,561	26.1
25,919	10,222	28.3
25,436	10,664	29.5
25,054	11,673	31.8
24,045	11,685	32.7
23,239	11,961	34.0
23,468	12,476	34.7
21,331	11,562	35.2
20,056	11,267	36.0
17,712	10,411	37.0
16,457	10,264	38.4
16,369	10,546	39.2
17,458	11,785	40.3
19,601	13,700	41.1
21,791	15,619	41.8
24,851	17,957	42.0
26,397	18,968	41.8
26,812	19,779	42.5
26,937	20,031	42.6
24,747	18,273	42.5

mation was not available.

ges, AAMC Data Book, Statistical Information
ashington, DC, 1998. Also unpublished data.

TABLE 206. APPLICANTS TO SCHOOLS OF
ACADEMIC YEA

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNDERREPRESENTED MINORITIES 2/ NUMBER	PERCENT
1975-76	42,303	4,718	3,286	7.8
1976-77	42,155	5,058	3,592	8.5
1977-78	40,569	5,262	3,599	8.9
1978-79	36,636	5,469	3,321	9.1
1979-80	36,141	6,000	3,380	9.4
1980-81	36,100	6,266	3,381	9.4
1981-82	36,727	6,668	3,541	9.6
1982-83	35,730	6,787	3,453	9.7
1983-84	35,200	6,891	3,440	9.8
1984-85	35,944	7,611	3,578	10.0
1985-86	32,893	7,201	3,321	10.1
1986-87	31,323	7,286	3,203	10.2
1987-88	28,123	7,106	2,988	10.6
1988-89	26,721	7,187	2,896	10.8
1989-90	26,915	7,621	3,049	11.3
1990-91	29,243	8,536	3,172	10.8
1991-92	33,301	10,233	3,605	10.8
1992-93	37,410	11,512	4,034	10.8
1993-94	42,808	13,869	4,715	11.0
1994-95	45,365	15,262	5,060	11.2
1995-96	46,591	16,268	5,146	11.0
1996-97	46,968	16,456	5,259	11.2
1997-98	43,020	14,453	4,513	10.5

1/ Includes Black Americans, Native Americans, Hispanics and Asian/Pa
2/ Includes Black Americans, Native Americans, Mainland Puerto Ricans
U.S. citizens and aliens with permanent residence. Prior to 1981
3/ In 1997 the category "Native American" was redefined to include Am
1997 this category included only American Indians and Alaskan Nati
4/ Includes other Minorities, Foreign Students and students for whom

SOURCE: Association of American Medical Colleges. AAMC Data Book, St
DC, 1998. Also unpublished data.

ALLOPATHIC MEDICINE BY RACE AND ETHNICITY,
RS 1975-76 TO 1997-98

BLACK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/ PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
2,483	947	137	1,151	3,900	33,685
2,730	996	139	1,193	4,094	33,003
2,730	1,074	140	1,318	3,179	32,128
2,564	1,252	133	1,520	1,458	29,709
2,598	1,591	151	1,660	807	29,334
2,594	1,751	147	1,774	1,189	28,645
2,644	1,888	160	1,976	1,061	28,998
2,600	1,828	137	2,222	1,127	27,816
2,558	1,847	161	2,325	835	27,474
2,620	2,066	150	2,775	507	27,826
2,428	1,939	125	2,709	616	25,076
2,388	1,785	121	2,992	715	23,322
2,203	1,591	123	3,189	689	20,328
2,160	1,564	114	3,349	637	18,897
2,216	1,608	136	3,661	680	18,614
2,349	1,710	132	4,345	836	19,871
2,659	1,926	161	5,487	982	22,086
2,917	2,176	194	6,225	1,202	24,696
3,489	2,329	238	7,813	894	28,045
3,659	2,538	261	8,804	915	29,188
3,595	2,724	305	9,644	1,029	29,294
3,645	2,773	323	9,715	1,010	29,502
3,133	2,368	311	8,641	2,272	26,295

ific Islanders.
and Mexican Americans. Underrepresented minorities include only
nly U.S. citizens were included.
erican Indians, Alaskan Natives and Native Hawaiians. Prior to
es.
ace is unspecified.

tistical Information Related to Medical Education, January 1998. Washington,

TABLE 207. FIRST-YEAR ENROLLMENTS IN SCHOOLS
ACADEMIC YEARS 1975

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNDERREPRESENTED MINORITIES 2/ NUMBER	PERCENT	BL
1975-76	15,295	2,134	1,391	9.1	1,
1976-77	15,613	1,943	1,400	9.0	1,
1977-78	16,136	2,146	1,450	9.0	1,
1978-79	16,501	2,225	1,443	8.7	1,
1979-80	16,930	2,463	1,547	9.1	1,
1980-81	17,186	2,585	1,548	9.0	1,
1981-82	17,268	2,933	1,671	9.7	1,
1982-83	17,254	3,069	1,626	9.4	1,
1983-84	17,150	3,124	1,658	9.7	1,
1984-85	16,997	3,275	1,672	9.8	1,
1985-86	16,963	3,447	1,644	9.7	1,
1986-87	16,819	3,703	1,677	10.0	1,
1987-88	16,713	4,043	1,713	10.2	1,
1988-89	16,868	4,335	1,708	10.1	1,
1989-90	16,756	4,524	1,749	10.4	1,
1990-91	16,876	4,799	1,744	10.3	1,
1991-92	17,071	5,147	1,876	11.0	1,
1992-93	17,079	5,266	2,121	12.4	1,
1993-94	17,121	5,452	2,161	12.6	1,
1994-95	17,085	5,759	2,288	13.4	1,
1995-96	17,058	5,933	2,340	13.7	1,
1996-97	16,935	5,818	2,223	13.1	1,
1997-98	16,867	5,839	2,056	12.2	1,

1/ Includes Black Americans, Native Americans, Hispanics and Asian/Paci
2/ Includes Black Americans, Native Americans, Mainland Puerto Ricans a
U.S. citizens and aliens with permanent residence. Prior to 1981 or
3/ In 1997 the category "Native American" was redefined to include Amer
1997 this category included only American Indians and Alaskan Native
4/ Includes other Minorities, Foreign Students and Students for whom ra

SOURCE: Association of American Medical Colleges. AAMC Data Book, Stat
Washington, DC, 1998. Also unpublished data.

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OF ALLOPATHIC MEDICINE BY RACE AND ETHNICITY,
76 TO 1997-98

ICK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/ PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
036	756	60	282	5	13,156
040	512	43	348	287	13,383
085	615	51	395	258	13,732
061	665	47	452	202	14,074
108	790	63	502	208	14,259
128	818	67	572	339	14,262
196	902	70	765	117	14,218
145	926	62	936	100	14,085
173	893	75	983	117	13,909
148	926	77	1,124	116	13,606
117	975	60	1,295	138	13,378
174	954	61	1,514	129	12,987
221	927	68	1,827	159	12,511
210	949	76	2,100	147	12,386
221	964	82	2,257	193	12,039
263	933	76	2,527	247	11,830
304	1,006	93	2,744	247	11,677
425	1,103	123	2,615	251	11,562
489	1,073	129	2,761	206	11,463
519	1,166	131	2,943	250	11,076
528	1,209	150	3,046	218	10,907
423	1,207	149	3,039	201	10,916
351	1,098	137	3,253	103	10,784

fic Islanders.
nd Mexican Americans. Underrepresented minorities include only
ly U.S. citizens were included.
ican Indians, Alaskan Natives and Native Hawaiians. Prior to
s.
ce is unspecified.

istical Information Related to Medical Education, January 1998.

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TABLE 208. TOTAL ENROLLMENTS IN SCHOOLS O
ACADEMIC YEARS 19

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNDERREPRESENTED MINORITIES 2/ NUMBER	PERCENT	B
1975-76	55,818	6,123	4,524	8.1	3
1976-77	57,765	6,525	4,715	8.2	3
1977-78	60,039	7,260	4,880	8.1	3
1978-79	62,213	7,596	4,898	7.9	3
1979-80	63,800	8,130	5,086	8.0	3
1980-81	65,189	8,614	5,209	8.0	3
1981-82	66,298	9,724	5,503	8.3	3
1982-83	66,748	10,345	5,544	8.3	3
1983-84	67,327	10,798	5,600	8.3	3
1984-85	67,016	11,374	5,707	8.5	3
1985-86	66,585	11,831	5,655	8.5	3
1986-87	66,125	12,538	5,722	8.7	3
1987-88	65,735	13,487	5,812	8.8	3
1988-89	65,300	14,393	5,798	8.9	3
1989-90	65,016	15,429	5,942	9.1	4
1990-91	65,163	16,492	6,084	9.3	4
1991-92	65,602	17,718	6,325	9.6	4
1992-93	66,142	18,775	6,787	10.3	4
1993-94	66,629	20,002	7,158	10.7	4
1994-95	67,072	20,757	7,615	11.4	5
1995-96	66,970	21,539	8,062	12.0	5
1996-97	67,276	22,160	8,234	12.2	5
1997-98	66,900	22,590	8,178	12.2	5

1/ Includes Black Americans, Native Americans, Hispanics and Asian/Pac
2/ Includes Black Americans, Native Americans, Mainland Puerto Ricans
U.S. citizens and aliens with permanent residence. Prior to 1981 d
3/ In 1997 the category "Native American" was redefined to include Ame
1997 this category included only American Indians and Alaskan Nativ
4/ Includes other Minorities, Foreign Students and Students for whom r

SOURCE: Association of American Medical Colleges. AAMC Data Book, Sta
Washington, DC, 1998. Also unpublished data.

F ALLOPATHIC MEDICINE BY RACE AND ETHNICITY
75-76 TO 1997-98

LACK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/ PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
,456	1,473	172	1,022	238	49,457
,517	1,645	186	1,177	262	50,978
,587	2,050	201	1,422	805	51,974
,537	2,265	202	1,592	871	53,746
,627	2,514	212	1,777	816	54,854
,708	2,761	221	1,924	1,141	55,434
,884	3,093	229	2,518	373	56,201
,869	3,305	235	2,936	371	56,032
,892	3,358	258	3,290	362	56,167
,944	3,410	257	3,763	410	55,232
,849	3,458	235	4,289	419	54,335
,892	3,521	242	4,883	451	53,136
,968	3,548	233	5,738	520	51,728
,995	3,566	237	6,595	541	50,366
,145	3,537	258	7,489	626	48,961
,241	3,538	277	8,436	778	47,893
,334	3,645	301	9,438	790	47,094
,638	3,810	333	9,994	902	46,465
,900	3,986	364	10,752	853	45,774
,117	4,148	430	11,062	912	45,403
,337	4,349	501	11,352	837	44,594
,400	4,424	528	11,808	833	44,283
,303	4,423	561	12,303	909	43,401

ific Islanders.
and Mexican Americans. Underrepresented minorities include only
nly U.S. citizens were included.
rican Indians, Alaskan Natives and Native Hawaiians. Prior to
es.
ace is unspecified.

tistical Information Related to Medical Education, January 1998.

TABLE 209. GRADUATES FROM SCHOOLS
ACADEMIC YEAR

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNDERREPRESENTED MINORITIES 2/ NUMBER	PERCENT
1978-79	14,784	1,632	1,062	7.2
1979-80	15,113	1,675	1,066	7.1
1980-81	15,632	1,795	1,086	6.9
1981-82	16,012	1,946	1,107	6.9
1982-83	15,802	2,241	1,231	7.8
1983-84	16,343	2,319	1,191	7.3
1984-85	16,318	2,450	1,224	7.5
1985-86	16,117	2,573	1,195	7.4
1986-87	15,830	2,595	1,190	7.5
1987-88	15,919	2,843	1,261	7.9
1988-89	15,630	2,975	1,247	8.0
1989-90	15,398	3,178	1,268	8.2
1990-91	15,427	3,483	1,326	8.6
1991-92	15,365	3,675	1,273	8.3
1992-93	15,466	3,858	1,363	8.8
1993-94	15,555	4,248	1,377	8.9
1994-95	15,888	4,511	1,427	9.0
1995-96	15,907	4,681	1,625	10.2
1996-97	15,923	4,730	1,695	10.6

1/ Includes Black Americans, Native Americans, Hispanics and As
2/ Includes Black Americans, Native Americans, Mainland Puerto
U.S. citizens and aliens with permanent residence. Prior to
3/ In 1997 the category "Native American" was redefined to incl
1997 this category included only American Indians and Alaska
4/ Includes other Minorities, Foreign Students and Students for

SOURCE: Association of American Medical Colleges. AAMC Data Bo
Washington, DC, 1998. Also unpublished data.

OF ALLOPATHIC MEDICINE BY RACE AND ETHNICITY
S 1978-79 TO 1996-97

BLACK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/ PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
760	445	49	378	524	12,628
768	462	33	412	650	12,788
766	530	43	456	636	13,201
763	610	45	528	240	13,826
883	719	45	594	57	13,504
818	763	59	679	20	14,004
828	807	65	750	80	13,788
824	791	49	909	131	13,413
820	765	63	947	91	13,144
850	825	58	1,119	74	13,002
821	856	57	1,241	49	12,606
874	819	52	1,433	145	12,075
918	832	46	1,687	152	11,792
850	842	63	1,920	165	11,525
943	816	71	2,028	292	11,316
960	858	66	2,364	243	11,064
970	897	65	2,579	299	11,078
1,053	985	91	2,552	355	10,871
1,158	941	100	2,531	352	10,841

ian/Pacific Islanders.
Ricans and Mexican Americans. Underrepresented minorities include only
1981 only U.S. citizens were included.
ude American Indians, Alaskan Natives and Native Hawaiians. Prior to
n Natives.
whom race is unspecified.

ok, Statistical Information Related to Medical Education, January 1998.

TABLE 210. FIRST-YEAR AND TOTAL ENROLLMENTS IN
BY GENDER, ACADEMIC Y

ACADEMIC YEAR	NUMBER OF SCHOOLS	FIRST-YEAR ENROLLMENTS		
		TOTAL	WOMEN	PERCENT WOMEN
1975-76	114	15,295	3,647	23.8
1976-77	116	15,613	3,858	24.7
1977-78	122	16,136	4,130	25.6
1978-79	125	16,501	4,162	25.2
1979-80 1/	126	16,930	4,713	27.8
1980-81 1/	126	17,186	4,966	28.9
1981-82	126	17,268	5,317	30.8
1982-83	127	17,254	5,462	31.7
1983-84	127	17,150	5,653	33.0
1984-85	127	16,997	5,715	33.6
1985-86	127	16,963	5,800	34.2
1986-87	127	16,819	5,894	35.0
1987-88	127	16,713	6,098	36.5
1988-89	127	16,868	6,254	37.1
1989-90	127	16,756	6,414	38.3
1990-91	126	16,876	6,550	38.8
1991-92	126	17,071	6,804	39.9
1992-93	126	17,079	7,158	41.9
1993-94	126	17,121	7,230	42.2
1994-95	125	17,085	7,212	42.2
1995-96	125	17,058	7,363	43.2
1996-97	125	16,935	7,271	42.9
1997-98	125	16,867	7,333	43.5

N/A - Not Available
1/ Total enrollment for 1979-80 and 1980-81 include 22 and 55 student

SOURCE: Association of American Medical Colleges. AAMC Data Book, St
Washington, DC, 1998. Also unpublished data.

ND GRADUATES FROM SCHOOLS OF ALLOPATHIC MEDICINE
ARS 1975-76 TO 1997-98

TOTAL ENROLLMENTS			GRADUATES		
TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN
55,818	11,417	20.5	13,634	2,212	16.2
57,765	12,954	22.4	13,614	2,613	19.2
60,039	14,218	23.7	14,391	3,085	21.4
62,213	15,102	24.3	14,784	3,445	23.3
63,800	16,141	25.3	15,113	3,497	23.1
65,189	17,248	26.5	15,632	3,898	24.9
66,298	18,505	27.9	16,012	3,991	24.9
66,748	19,597	29.4	15,802	4,232	26.8
67,327	20,635	30.6	16,343	4,632	28.3
67,016	21,316	31.8	16,318	4,904	30.1
66,585	21,650	32.5	16,117	4,957	30.8
66,125	22,100	33.4	15,830	5,107	32.3
65,735	22,544	34.3	15,919	5,215	32.8
65,300	22,985	35.2	15,630	5,221	33.4
65,016	23,513	36.2	15,398	5,231	34.0
65,163	24,286	37.3	15,427	5,553	36.0
65,602	24,962	38.1	15,365	5,550	36.1
66,142	26,038	39.4	15,466	5,880	38.0
66,629	26,854	40.3	15,555	5,919	38.1
67,072	27,552	41.1	15,888	6,232	39.2
66,907	28,031	41.9	15,907	6,509	40.9
67,276	28,404	42.2	15,923	6,604	41.5
66,900	28,505	42.6	NA	NA	NA

, repectively for whom gender is unknown.

tistical Information Related to Medical Education, January 1998.

TABLE 211. TOTAL AND ACTIVE
PHYSICIAN-TO-POPULA

YEAR	TOTAL NUMBER OF DOs	TOTA OF A
1975	14,929	
1976	15,572	
1977	16,175	
1978	17,036	
1979	17,975	
1980	18,820	
1981	19,686	
1982	20,559	
1983	21,618	
1984	22,746	
1985	24,014	
1986	25,479	
1987	26,794	
1988	28,403	
1989	29,654	
1990	30,924	
1991	32,297	
1992	33,573	
1993	34,967	
1994	36,559	
1995	38,219	
1996	39,838	
1997	41,654	

SOURCE: American Osteopathic Association.
American Association of Colleges of Osteopat
Rockville MD, 1997. Also prior annual repor

OSTEOPATHIC PHYSICIANS (DOs) AND
TION RATIOS, 1975-1997

L NUMBER CTIVE DOs	TOTAL DOs PER 100,000 POPULATION	ACTIVE DOs PER 100,000 POPULATION
13,977	6.8	6.4
14,579	7.0	6.6
15,144	7.2	6.8
15,950	7.5	7.1
16,829	7.9	7.4
17,620	8.1	7.6
18,431	8.4	7.9
19,248	8.7	8.2
20,239	9.1	8.5
21,295	9.5	8.9
22,483	9.9	9.3
23,854	10.4	9.8
25,085	10.9	10.2
26,466	11.4	10.6
27,763	11.8	11.1
28,952	12.2	11.4
29,244	12.6	11.4
31,206	13.0	12.0
32,489	13.3	12.4
34,079	13.8	12.9
35,720	14.3	13.4
37,306	14.8	13.8
38,932	15.3	14.3

1992 Yearbook and Directory of Osteopathic Physicians
hic Medicine. 1997 Annual Statistical Report.
ts.

TABLE 212. APPLICANTS TO SCHOOLS OF
ACADEMIC YEARS 19

ACADEMIC YEAR	NUMBER OF APPLICANTS
1976-77	3,707
1977-78	3,918
1978-79	3,530
1979-80	3,856
1980-81	3,786
1981-82	3,885
1982-83	3,917
1983-84	4,045
1984-85	4,126
1985-86	3,869
1986-87	3,515
1987-88	3,326
1988-89	3,030
1989-90	3,160
1990-91	3,224
1991-92	4,163
1992-93	5,752
1993-94	7,506
1994-95	9,336
1995-96	10,213
1996-97	10,781
1997-98	10,764

[a] Not Available

Data include colleges participating in the
Osteopathic Medicine 's Application Servic

SOURCE: American Association of Colleges
Statistical Report. Rockville, MD, 1997.

OSTEOPATHIC MEDICINE BY GENDER,
76-77 TO 1997-98

MEN	WOMEN	PERCENT WOMEN
*	*	*
3,359	559	14.3
2,920	610	17.3
3,091	765	19.8
2,982	804	21.2
2,984	901	23.2
2,952	965	24.6
2,953	1,092	27.0
2,958	1,168	28.3
2,767	1,102	28.5
2,505	1,010	28.7
2,324	1,002	30.1
2,064	966	31.9
2,092	1,068	33.8
2,142	1,082	33.6
2,770	1,393	33.5
3,735	2,017	35.1
4,753	2,753	36.7
5,842	3,494	37.4
6,387	3,826	37.5
6,553	4,228	39.2
6,471	4,293	39.9

American Association of Colleges of
e (AACOMAS).

of Osteopathic medicine. 1997 Annual
Also prior annual editions.

TABLE 213. APPLICANTS TO SCHOOLS OF OSTEOP
ACADEMIC YEARS 1976

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES	UNDERREPRESENTED MINORITIES 1/ NUMBER	PERCENT	E
1976-77	3,707	168	106	2.9	
1977-78	3,918	220	165	4.2	
1978-79	3,530	231	172	4.9	
1979-80	3,856	312	208	5.4	
1980-81	3,786	319	221	5.8	
1981-82	3,885	362	245	6.3	
1982-83	3,917	433	294	7.5	
1983-84	4,045	530	359	8.9	
1984-85	4,126	493	303	7.3	
1985-86	3,869	537	336	8.7	
1986-87	3,515	569	354	10.1	
1987-88	3,326	642	354	10.6	
1988-89	3,030	654	381	12.6	
1989-90	3,160	756	418	13.2	
1990-91	3,224	731	381	11.8	
1991-92	4,163	1,029	445	10.7	
1992-93	5,752	1,344	576	10.0	
1993-94	7,506	1,772	689	9.2	
1994-95	9,336	2,371	875	9.4	
1995-96	10,213	2,719	964	9.4	
1996-97	10,781	2,998	947	8.8	
1997-98	10,764	3,091	984	9.1	

1/ Includes Black Americans, Hispanic Americans and American Indians
2/ Includes Other and Unknown race.

Data include colleges participating in the American Association of C

SOURCE: American Association of Colleges of Osteopathic Medicine.
Also prior annual reports.

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ATHIC MEDICINE BY RACE AND ETHNICITY,
-77 TO 1997-98

LACK	HISPANIC	AMERICAN INDIAN	ASIAN	WHITE 2/
59	33	14	62	3,539
111	42	12	55	3,698
116	38	18	59	3,299
133	56	19	104	3,544
130	76	15	98	3,467
138	92	15	117	3,523
150	128	16	139	3,484
188	134	37	171	3,515
136	140	27	190	3,633
145	170	21	201	3,332
159	164	31	215	2,946
170	165	19	288	2,684
208	153	20	273	2,376
221	177	20	338	2,404
196	154	31	350	2,493
252	172	21	584	3,134
294	233	49	768	4,408
325	305	59	1,083	5,734
401	390	84	1,496	6,965
439	407	118	1,755	7,494
421	436	90	2,051	7,783
434	448	102	2,107	7,673

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olleges of Osteopathic Medicine's Application Service (AACOMAS).

1997 Annual Statistical Report. Rockville, MD, 1997.

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TABLE 214. FIRST-YEAR ENROLLMENTS IN SCHOOLS
ACADEMIC YEARS 1

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES	UNDERREPRESENTED MINORITIES 1/ NUMBER	PERCENT
1975-76	1,038	55	40	3.9
1976-77	1,088	59	44	4.0
1977-78	1,163	63	47	4.0
1978-79	1,322	74	58	4.4
1979-80	1,426	93	64	4.5
1980-81	1,496	99	66	4.4
1981-82	1,582	104	71	4.5
1982-83	1,682	127	81	4.8
1983-84	1,746	152	100	5.7
1984-85	1,750	160	113	6.5
1985-86	1,737	185	115	6.6
1986-87	1,724	164	91	5.3
1987-88	1,692	213	105	6.2
1988-89	1,780	311	174	9.8
1989-90	1,844	320	162	8.8
1990-91	1,950	385	171	8.8
1991-92	1,974	366	141	7.1
1992-93	2,035	398	188	9.2
1993-94	2,162	387	184	8.5
1994-95	2,217	441	198	8.9
1995-96	2,274	499	227	10.0
1996-97	2,535	551	244	9.6

1/ Includes Black Americans, Hispanic Americans, and American In
2/ Includes Other and Unknown race.

SOURCE: American Association of Colleges of Osteopathic Medicine
Also prior annual reports.

IF OSTEOPATHIC MEDICINE BY RACE AND ETHNICITY,
975-76 TO 1996-97

BLACK	HISPANIC	AMERICAN INDIAN	ASIAN	WHITE 2/
23	10	7	15	983
26	12	6	15	1,029
26	13	8	16	1,100
31	17	10	16	1,248
40	18	6	29	1,333
40	18	8	33	1,397
37	22	12	33	1,478
38	33	10	46	1,555
49	38	13	52	1,594
42	54	17	47	1,590
37	68	10	70	1,552
26	56	9	73	1,560
38	60	7	108	1,479
85	81	8	137	1,469
68	79	15	158	1,524
79	78	14	214	1,565
67	67	7	225	1,608
81	89	18	210	1,637
95	70	19	203	1,775
93	83	22	243	1,776
109	91	27	272	1,775
115	112	17	307	1,984

ndians.

. 1997 Annual Statistical Report. Rockville, MD, 1997.

TABLE 215. TOTAL ENROLLMENTS IN SCHOOLS OF OS
ACADEMIC YEARS 1975

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES	UNDERREPRESENTED MINORITIES 1/ NUMBER	PERCENT
1975-76	3,443	120	93	2.7
1976-77	3,671	155	113	3.1
1977-78	3,926	173	128	3.3
1978-79	4,221	192	147	3.5
1979-80	4,571	241	171	3.7
1980-81	4,940	252	165	3.3
1981-82	5,304	301	192	3.6
1982-83	5,822	355	222	3.8
1983-84	6,212	411	259	4.2
1984-85	6,547	468	302	4.6
1985-86	6,608	533	331	5.0
1986-87	6,640	583	341	5.1
1987-88	6,586	653	366	5.6
1988-89	6,614	813	432	6.5
1989-90	6,615	921	458	6.9
1990-91	6,792	1,112	530	7.8
1991-92	7,012	1,234	549	7.8
1992-93	7,375	1,312	569	7.7
1993-94	7,822	1,397	595	7.6
1994-95	8,146	1,494	640	7.9
1995-96	8,475	1,667	734	8.7
1996-97	8,961	1,813	791	8.8

1/ Includes Black Americans, Hispanic Americans, and American Indi
2/ Includes Other and Unknown race.

SOURCE: American Association of Colleges of Osteopathic Medicine.
Also prior annual reports.

EOPATHIC MEDICINE BY RACE AND ETHNICITY,
76 TO 1996-97

LACK	HISPANIC	AMERICAN INDIAN	ASIAN	WHITE 2/
57	23	13	27	3,323
70	27	16	42	3,516
76	33	19	45	3,753
87	36	24	45	4,029
100	45	26	70	4,330
94	52	19	87	4,688
104	62	26	109	5,003
116	81	25	133	5,467
122	98	39	152	5,801
126	126	50	166	6,079
125	158	48	202	6,075
117	182	42	242	6,057
122	208	36	287	5,933
159	240	33	381	5,801
173	246	39	463	5,694
217	277	36	582	5,680
236	276	37	685	5,778
231	293	45	743	6,063
256	288	51	802	6,425
286	289	65	854	6,652
318	331	85	933	6,808
369	83	339	1,022	7,148

ns.

1997 Annual Statistical Report. Rockville, MD, 1997.

TABLE 216. FIRST-YEAR AND TOTAL ENROLLMENTS IN AN
BY GENDER, ACADEMIC YEA

ACADEMIC YEAR	NUMBER OF SCHOOLS	FIRST-YEAR ENROLLMENTS			
		TOTAL	WOMEN	PERCENT WOMEN	
1975-76	9	1,038	140	13.5	
1976-77	10	1,088	179	16.5	
1977-78	12	1,163	192	16.5	
1978-79	14	1,322	222	16.8	
1979-80	14	1,426	265	18.6	
1980-81	15	1,496	329	22.0	
1981-82	15	1,592	378	23.7	
1982-83	15	1,682	428	25.4	
1983-84	15	1,746	460	26.3	
1984-85	15	1,750	511	29.2	
1985-86	15	1,737	489	28.2	
1986-87	15	1,724	471	27.3	
1987-88	15	1,692	490	29.0	
1988-89	15	1,780	571	32.1	
1989-90	15	1,844	615	33.4	
1990-91	15	1,950	667	34.2	
1991-92	15	1,974	645	32.7	
1992-93	15	2,035	715	35.1	
1993-94	16	2,162	771	35.7	
1994-95	16	2,217	805	36.3	
1995-96	16	2,274	850	37.4	
1996-97	17	2,535	957	37.8	

SOURCE: American Association of Colleges of Osteopathic Medicine. 1
Also prior annual reports.

) GRADUATES FROM SCHOOLS OF OSTEOPATHIC MEDICINE
RS 1975-76 TO 1996-97

TOTAL ENROLLMENTS			GRADUATES		
TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN
3,443	362	10.5	809	58	7.2
3,671	472	12.9	908	84	9.3
4,926	570	14.5	971	68	7.0
5,221	688	16.3	1,004	163	16.2
5,571	789	17.3	1,059	192	18.1
4,940	971	19.7	1,151	202	17.5
5,304	1,108	20.9	1,017	186	18.3
5,322	1,317	22.6	1,317	261	19.8
5,212	1,526	24.6	1,287	262	20.4
5,547	1,707	26.1	1,476	343	23.2
5,608	1,799	27.2	1,560	392	25.1
5,640	1,853	27.9	1,593	395	24.8
5,586	1,904	28.9	1,572	438	27.9
5,614	1,986	30.0	1,609	491	30.5
5,615	2,056	31.1	1,529	431	28.2
5,792	2,221	32.7	1,534	458	29.9
7,012	2,340	33.4	1,532	501	32.7
7,375	2,512	34.1	1,606	533	33.2
7,822	2,714	34.7	1,752	602	34.4
8,146	2,870	35.2	1,843	648	35.2
8,475	3,075	36.3	1,932	690	35.7
8,961	3,308	36.9	2,020 est	709	35.1

997 Annual Statistical Report. Rockville, MD, 1997.

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TABLE 217. ESTIMATED AND PROJECTED
AND PODIATRIST-TO-POPUL

YEAR	ACTIVE PATIENT CARE PODIATRISTS
1970	6,200
1975	6,400
1980	7,780
1983	8,480
1986	9,620
1989	9,835
1990	10,353
1991	10,354
1992	10,346
1993	10,358
1995	10,304
1996	10,735
1997	11,121
1998	11,482
1999	11,853
2000	12,242

SOURCES: Bureau of Health Professions, Office
Medical Association. Unpublished data. U.S.
Reports Series P-25, Nos. 1113, 1128 and 1130.

NUMBER OF PATIENT CARE PODIATRISTS
TION RATIOS, 1970-2000

TOTAL POPULATION (THOUSANDS)	PODIATRISTS PER 100,000 TOTAL POP
206,466	3.0
217,095	2.9
228,937	3.4
235,385	3.6
241,784	4.0
248,659	4.0
251,360	4.1
254,046	4.1
256,866	4.0
259,487	4.0
264,037	3.9
266,449	4.0
268,823	4.1
271,166	4.2
273,482	4.3
275,776	4.4

of Research & Planning; American Podiatric
Bureau of the Census. Current Population

TABLE 218. NUMBER OF COLLEGES OF PODIATR
SELECTED ACADEMIC YEARS

ACADEMIC YEAR	NUMBER OF SCHOOLS	TOTAL
1960-61	5	478
1970-71	5	1,147
1975-76	5	2,085
1976-77	5	2,295
1977-78	5	2,388
1978-79	5	2,498
1979-80	5	2,531
1980-81	5	2,577
1981-82	5	2,584
1982-83	6	2,608
1983-84	6	2,556
1984-85	6	2,616
1985-86	7	2,749
1986-87	7	2,832
1987-88	7	2,790
1988-89	7	2,608
1989-90	7	2,397
1990-91	7	2,154
1991-92	7	2,263
1992-93	7	2,438
1993-94 1/	7	2,161
1994-95 1/	7	2,318
1995-96 1/	7	2,312
1996-97 1/	7	2,175

1/ Enrollments and graduates do not include th

SOURCE: American Association of Colleges of P

IC MEDICINE, STUDENTS AND GRADUATES,
1960-61 TO 1996-97

STUDENTS	
FIRST YEAR	GRADUATES
127	116
351	241
641	497
667	479
673	543
678	572
718	577
695	597
702	599
724	631
689	607
782	586
811	612
615	590
716	645
595	673
599	671
561	591
777	539
802	400
701	380
652	558
630	680
616	NA

e New York College of Podiatric Medicine.

odiatric Medicine. Unpublished data.

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TABLE 219. ESTIMATED PERCENT DISTRIBUTION OF PRAC
SELECTED YEARS 19

Specialty	1984	1989
Total	100.0	100.0
Primary care	55.8	49.3
Family medicine 2/	42.5	37.9
General internal medicine	9.2	7.8
Pediatrics	4.1	3.6
Non primary care	44.2	50.7
Obstetrics/gynecology	3.1	4.6
Surgical subspecialties	9.0	7.5
General surgery	9.2	7.9
Internal med subspecialties	4.8	3.8
Pediatric Subspecialties	0.0	1.0
Emergency medicine	6.4	6.2
Orthopedics	4.1	5.6
Occupational medicine	4.1	3.8
Other specialties 3/	3.5	10.3

1/ Practicing Physician Assistants are estimated at 85% o
2/ Includes general medicine.
3/ Includes Correctional medicine, Neurology, Geriatric m

SOURCE: American Academy of Physician Assistants. Unpubl

BEST COPY AVAIL

ICING PHYSICIAN ASSISTANTS BY SPECIALTY,
4-1996 1/

1990	1991	1992	1996
100.0	100.0	100.0	100.0
45.0	43.6	42.8	50.8
33.0	31.3	31.4	39.8
9.0	9.9	8.9	8.3
3.0	2.4	2.5	2.7
55.0	56.4	57.2	49.2
4.0	3.4	3.3	3.0
9.0	9.0	9.8	8.8
8.0	9.2	8.0	3.1
6.0	5.9	7.1	5.7
2.0	1.0	1.2	1.4
7.0	7.9	8.0	10.3
6.0	7.1	7.6	6.9
5.0	4.0	3.9	3.1
8.0	8.9	8.3	6.9

f the total graduates.

edicine, Psychiatry, and Industrial medicine.

ished data.

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TABLE 220. ESTIMATED NUMBER OF PHYSICI
ASSISTANT-TO-POPULATION RATIOS BY GEOGR

GEOGRAPHIC AREA	PHYSICIAN ASSISTANTS
UNITED STATES	31,084
NORTHEAST	7,954
NEW ENGLAND	2,014
Connecticut	632
Maine	347
Massachusetts	667
New Hampshire	145
Rhode Island	115
Vermont	108
MIDDLE ATLANTIC	5,940
New Jersey	290
New York	3,998
Pennsylvania	1,652
SOUTH	10,286
SOUTH ATLANTIC	6,628
Delaware	65
District of Columbia	177
Florida	1,575
Georgia	1,068
Maryland	1,014
North Carolina	1,675
South Carolina	264
Virginia	479
West Virginia	311
EAST SOUTH CENTRAL	1,036
Alabama	200
Kentucky	383
Mississippi	41
Tennessee	412
WEST SOUTH CENTRAL	2,622
Arkansas	45
Louisiana	195
Oklahoma	467
Texas	1,915

AN ASSISTANTS AND PHYSICIAN
APHIC AREA, JANUARY 1, 1998

PHYSICIAN ASSISTANTS PER 100K POP
11.9
15.5
15.1
19.3
28.0
11.0
12.6
11.6
18.5
15.6
3.7
22.0
13.7
11.2
14.1
9.1
31.9
11.1
14.8
20.1
23.3
7.2
7.2
17.0
6.5
4.7
9.9
1.5
7.8
9.1
1.8
4.5
14.2
10.2

TABLE 220. ESTIMATED NUMBER OF PHYSICI
ASSISTANT-TO-POPULATION RATIOS BY GEOGR
(Continued)

GEOGRAPHIC AREA	PHYSICIAN ASSISTANTS
NORTH CENTRAL	5,571
EAST NORTH CENTRAL	3,473
Illinois	576
Indiana	190
Michigan	1,151
Ohio	926
Wisconsin	630
WEST NORTH CENTRAL	2,098
Iowa	385
Kansas	352
Minnesota	383
Missouri	230
Nebraska	374
North Dakota	172
South Dakota	202
WEST	7,273
MOUNTAIN	2,287
Arizona	500
Colorado	708
Idaho	133
Montana	119
Nevada	147
New Mexico	342
Utah	248
Wyoming	90
PACIFIC	4,986
Alaska	256
California	3,370
Hawaii	78
Oregon	274
Washington	1,008

SOURCE: American Academy of Physician Assist

N ASSISTANTS AND PHYSICIAN
PHIC AREA, JANUARY 1, 1998

PHYSICIAN ASSISTANTS PER 100K POP
9.0
8.0
4.9
3.3
12.1
8.3
12.3
11.4
13.5
13.7
8.3
4.3
22.8
26.8
27.7
12.6
14.6
11.9
18.9
11.4
13.7
9.6
20.3
12.7
18.8
11.9
42.4
10.7
6.6
8.7
18.6

nts. Information Update, 1997.

TABLE 221. ESTIMATED NUMBER OF STUDENTS
ASSISTANT PROGRAMS: ACADEMIC YEARS

ACADEMIC YEAR	NUMBER OF PROGRAMS	TO
1984-85	53	
1985-86	51	
1986-87	49	
1987-88	50	
1988-89	51	
1989-90	51	
1990-91	55	
1991-92	55	
1992-93	59	
1993-94	63	
1994-95	67	
1995-96	81	
1996-97	89	

SOURCES: Association of Physician Assista
Annual Report on Physician Assistant Educa
United States 1996-97; May 1997.

AND GRADUATES FROM PHYSICIAN
1984-85 THROUGH 1996-97

STUDENTS	
TAL	GRADUATES
,549	1,176
,498	1,148
,461	1,094
,386	1,141
,514	1,204
,526	1,227
,086	1,499
,408	1,594
,836	1,759
,440	NA
,109	1,817
,558	NA
,874	2,356

nt Programs. Thirteenth
tion Programs in the

TABLE 222. ACTIVE FEDERAL AND NONFEDERAL PHYSIC
RATIOS BY SPECIALTY GROUP AND GEOGRAPHI

GEOGRAPHIC AREA	TOTAL ACTIVE PHYSICIANS	TOTAL PER 100K POPULATION	PRIMA CAR PHYSIC
UNITED STATES	653,907	246.5	218,
NORTHEAST	168,884	327.4	54,
NEW ENGLAND	45,461	340.5	14,
Connecticut	11,221	342.7	3,
Maine	2,627	211.3	
Massachusetts	24,231	397.8	7,
New Hampshire	2,630	226.3	
Rhode Island	3,105	313.6	1,
Vermont	1,647	279.6	
MIDDLE ATLANTIC	123,423	322.9	40,
New Jersey	22,664	283.7	7,
New York	67,224	369.7	22,
Pennsylvania	33,535	278.2	10,
SOUTH	210,168	225.7	68,
SOUTH ATLANTIC	118,246	248.3	38,
Delaware	1,650	227.6	
District of Columbia	4,020	740.3	1,
Florida	33,453	232.3	10,
Georgia	15,459	210.2	4,
Maryland	19,754	389.5	5,
North Carolina	16,536	225.8	5,
South Carolina	7,478	202.2	2,
Virginia	16,125	241.6	5,
West Virginia	3,771	206.5	1,
EAST SOUTH CENTRAL	33,138	204.6	11,
Alabama	8,304	194.3	2,
Kentucky	7,827	201.5	2,
Mississippi	4,284	157.7	1,
Tennessee	12,723	239.2	4,
WEST SOUTH CENTRAL	58,784	200.7	18
Arkansas	4,600	183.3	1
Louisiana	10,251	235.6	3
Oklahoma	5,513	167.0	1
Texas	38,420	200.9	12

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ANS (MDs) AND PHYSICIAN-TO-POPULATION
AREA, DECEMBER 31, 1996 1/

Y ANS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
708	82.4	435,199	164.1
993	106.6	113,891	220.8
497	108.6	30,964	231.9
520	107.5	7,701	235.2
977	78.6	1,650	132.7
452	122.3	16,779	275.4
903	77.7	1,727	148.6
036	104.7	2,069	209.0
608	103.3	1,039	176.3
496	105.9	82,927	216.9
710	96.5	14,954	187.2
283	122.5	44,941	247.1
503	87.1	23,032	191.0
256	73.3	141,912	152.4
009	79.8	80,237	168.5
546	75.3	1,104	152.3
156	212.9	2,864	527.4
658	74.0	22,795	158.3
999	68.0	10,460	142.2
839	115.1	13,915	274.3
393	73.6	11,143	152.2
620	70.8	4,858	131.3
431	81.4	10,694	160.2
365	74.8	2,406	131.7
311	69.9	21,827	134.8
914	68.2	5,390	126.1
710	69.8	5,117	131.7
480	54.5	2,804	103.2
207	79.1	8,516	160.1
936	64.7	39,848	136.0
727	68.8	2,873	114.5
148	72.4	7,103	163.2
924	58.3	3,589	108.7
137	63.4	26,283	137.4

TABLE 222. ACTIVE FEDERAL AND NONFEDERAL PHYSICIAN
RATIOS BY SPECIALTY GROUP AND GEOGRAPHIC AREA, D

GEOGRAPHIC AREA	TOTAL ACTIVE PHYSICIANS	TOTAL PER 100K POPULATION	PRIMARY CARE PHYSICIAN
NORTH CENTRAL	138,873	223.7	49,105
EAST NORTH CENTRAL	98,932	226.8	34,751
Illinois	30,300	255.8	11,064
Indiana	10,904	186.7	3,895
Michigan	20,897	217.8	7,093
Ohio	25,432	227.6	8,565
Wisconsin	11,399	220.9	4,133
WEST NORTH CENTRAL	39,941	216.3	14,3[illegible]
Iowa	4,876	171.0	1,7[illegible]
Kansas	5,248	204.0	1,914
Minnesota	11,464	246.1	4,429
Missouri	12,166	227.0	3,826
Nebraska	3,448	208.7	1,32[illegible]
North Dakota	1,383	214.8	554
South Dakota	1,356	185.2	56[illegible]
WEST	135,982	232.4	46,35[illegible]
MOUNTAIN	32,655	202.6	11,23[illegible]
Arizona	9,050	204.4	3,05[illegible]
Colorado	9,077	237.4	3,10[illegible]
Idaho	1,760	148.0	67[illegible]
Montana	1,661	189.0	58[illegible]
Nevada	2,693	168.0	88[illegible]
New Mexico	3,667	214.1	1,34[illegible]
Utah	3,943	197.2	1,23[illegible]
Wyoming	804	167.2	34[illegible]
PACIFIC	103,327	243.7	35,12[illegible]
Alaska	1,082	178.3	43[illegible]
California	78,862	247.4	26,41[illegible]
Hawaii	3,240	273.6	1,13[illegible]
Oregon	7,095	221.4	2,53[illegible]
Washington	13,048	235.8	4,60[illegible]

1/ Includes physicians whose activity status is unclassi
Association.

SOURCE: American Medical Association. Physician Charac
1997/98 edition. Chicago, 1997.

S (MDs) AND PHYSICIAN-TO-POPULATION
ECEMBER 31, 1996 1/ (Continued)

S	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
	79.1	89,768	144.6
	79.7	64,181	147.2
	93.4	19,236	162.4
	66.7	7,009	120.0
	73.9	13,804	143.9
	76.7	16,867	151.0
	80.1	7,266	140.8
	77.7	25,587	138.5
	61.4	3,125	109.6
	74.4	3,334	129.6
	95.1	7,035	151.0
	71.4	8,340	155.6
	79.9	2,127	128.8
	86.0	829	128.8
	76.7	795	108.6
	79.2	89,628	153.2
	69.7	21,424	132.9
	69.0	5,996	135.4
	81.1	5,976	156.3
	56.7	1,085	91.3
	67.1	1,072	121.9
	54.9	1,813	113.1
	78.6	2,320	135.4
	61.8	2,707	135.3
	72.5	455	94.6
	82.8	68,204	160.8
	71.5	648	106.7
	82.9	52,446	164.5
	95.9	2,105	177.8
	79.1	4,562	142.4
	83.2	8,443	152.6

fied according to the American Medical

teristics and Distribution in the U.S.,

TABLE 223. FEDERAL AND NONFEDERAL PATIENT CA
PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY G

GEOGRAPHIC AREA	TOTAL PHYSICIANS	TOT... PER 100K POPULATION	PR... PHY...
UNITED STATES	509,710	192.1	1
NORTHEAST	123,768	240.0	
NEW ENGLAND	33,190	248.6	
Connecticut	8,365	255.5	
Maine	2,249	180.9	
Massachusetts	16,855	276.7	
New Hampshire	2,223	191.3	
Rhode Island	2,251	227.4	
Vermont	1,248	211.9	
MIDDLE ATLANTIC	90,577	236.9	
New Jersey	17,931	224.5	
New York	47,427	260.8	
Pennsylvania	25,219	209.2	
SOUTH	167,699	180.1	
SOUTH ATLANTIC	93,994	197.4	
Delaware	1,339	184.7	
District of Columbia	2,619	482.3	
Florida	28,971	201.2	
Georgia	12,517	170.2	
Maryland	13,866	273.4	
North Carolina	12,849	175.5	
South Carolina	6,126	165.6	
Virginia	12,721	190.6	
West Virginia	2,987	163.6	
EAST SOUTH CENTRAL	27,115	167.4	
Alabama	6,787	158.8	
Kentucky	6,440	165.8	
Mississippi	3,664	134.9	
Tennessee	10,224	192.2	
WEST SOUTH CENTRAL	46,590	159.1	
Arkansas	3,844	153.2	
Louisiana	7,919	182.0	
Oklahoma	4,567	138.3	
Texas	30,260	158.2	

E PHYSICIANS (MDs), EXCLUDING RESIDENTS, AND
OUP AND GEOGRAPHIC AREA, DECEMBER 31, 1996 1/

IMARY CARE SICIANS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
59,966	64.1	339,744	128.1
39,487	76.6	84,280	163.4
10,531	78.9	22,659	169.7
2,554	78.0	5,811	177.5
806	64.8	1,443	116.1
5,208	85.5	11,647	191.2
760	65.4	1,463	125.9
712	71.9	1,539	155.4
492	83.5	756	128.4
28,956	75.7	61,621	161.2
5,894	73.8	12,037	150.7
15,343	84.4	32,084	176.4
7,719	64.0	17,500	145.2
54,835	58.9	112,864	121.2
30,455	64.0	63,539	133.4
430	59.3	909	125.4
730	134.4	1,889	347.9
9,190	63.8	19,781	137.4
4,059	55.2	8,458	115.0
4,288	84.6	9,578	188.8
4,253	58.1	8,595	117.4
2,097	56.7	4,029	108.9
4,345	65.1	8,376	125.5
1,063	58.2	1,924	105.4
9,253	57.1	17,862	110.3
2,370	55.5	4,416	103.4
2,236	57.6	4,204	108.2
1,260	46.4	2,403	88.5
3,386	63.6	6,838	128.5
15,127	51.6	31,463	107.4
1,436	57.2	2,409	96.0
2,453	56.4	5,466	125.6
1,593	48.3	2,973	90.1
9,646	50.4	20,615	107.8

TABLE 223. FEDERAL AND NONFEDERAL PATIENT CARE P
PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY GROUP
(Continue

GEOGRAPHIC AREA	TOTAL PHYSICIANS	TOTAL PER 100K POPULATION	PRIMA CAR PHYSIC
NORTH CENTRAL	106,834	172.1	37,
EAST NORTH CENTRAL	75,909	174.0	26,
Illinois	22,688	191.5	8,
Indiana	9,108	155.9	3,
Michigan	15,398	160.5	5,
Ohio	19,443	174.0	6,
Wisconsin	9,273	179.7	3,
WEST NORTH CENTRAL	30,926	167.4	11,
Iowa	3,801	133.3	1,
Kansas	4,234	164.6	1,
Minnesota	8,639	185.5	3,
Missouri	9,152	170.8	2,
Nebraska	2,716	164.4	1,
North Dakota	1,180	183.2	
South Dakota	1,205	164.6	
WEST	111,409	190.4	38,
MOUNTAIN	27,319	169.5	9,
Arizona	7,481	169.0	2,
Colorado	7,408	193.8	2,
Idaho	1,658	139.5	
Montana	1,587	180.6	
Nevada	2,416	150.7	
New Mexico	2,919	170.4	1,
Utah	3,137	156.9	1,
Wyoming	712	148.1	
PACIFIC	84,091	198.3	28,
Alaska	1,005	165.5	
California	63,632	199.6	21,
Hawaii	2,666	225.2	
Oregon	6,066	189.3	2,
Washington	10,722	193.8	3,

1/ Includes Office-based and Hospital-based full-time p
activity status is unclassified according to the Americ

SOURCE: Bureau of Health Professions. Area Resource F

IYSICIANS (MDs), EXCLUDING RESIDENTS, AND
AND GEOGRAPHIC AREA, DECEMBER 31, 1996 1/
i)

RY E IANS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
590	60.5	69,245	111.5
401	60.5	49,507	113.5
167	68.9	14,521	122.6
213	55.0	5,894	100.9
195	54.2	10,202	106.3
552	57.7	12,991	116.3
374	65.4	5,898	114.3
188	60.6	19,737	106.9
376	48.2	2,425	85.0
532	59.5	2,702	105.1
335	73.7	5,204	111.7
383	53.8	6,269	117.0
034	62.6	1,682	101.8
647	69.5	733	113.8
482	65.9	722	98.7
054	65.0	73,356	125.3
281	57.6	18,038	111.9
483	56.1	4,999	112.9
496	65.3	4,912	128.5
407	51.1	1,051	88.4
464	64.1	1,023	116.4
754	47.1	1,661	103.6
983	63.2	1,836	107.2
002	50.1	2,135	106.8
492	60.6	420	87.4
773	67.9	55,318	130.4
411	67.7	594	97.8
416	67.2	42,215	132.4
748	80.1	1,718	145.1
670	67.7	3,896	121.6
627	69.2	6,895	124.6

hysicians. Also includes physicians whose
an Medical Association.

ile, Feb 1998.

TABLE 224. FEDERAL AND NONFEDERAL RESIDENT
RATIOS BY SPECIALTY GROUP AND GEOGRAPH

GEOGRAPHIC AREA	TOTAL RESIDENTS	TOTAL PER 100K POPULATION	PRIMAR CARE RESIDEN
UNITED STATES	95,394	36.0	37,0
NORTHEAST	29,425	57.0	11,7
NEW ENGLAND	7,605	57.0	2,9
Connecticut	1,797	54.9	7
Maine	221	17.8	1
Massachusetts	4,451	73.1	1,6
New Hampshire	281	24.2	1
Rhode Island	588	59.4	2
Vermont	267	45.3	
MIDDLE ATLANTIC	21,820	57.1	8,8
New Jersey	3,033	38.0	1,3
New York	13,028	71.6	5,2
Pennsylvania	5,759	47.8	2,1
SOUTH	28,192	30.3	10,0
SOUTH ATLANTIC	15,088	31.7	5,4
Delaware	215	29.7	
District of Columbia	702	129.3	2
Florida	2,727	18.9	1,0
Georgia	1,893	25.7	7
Maryland	3,107	61.3	9
North Carolina	2,528	34.5	8
South Carolina	1,000	27.0	4
Virginia	2,365	35.4	8
West Virginia	551	30.2	2
EAST SOUTH CENTRAL	4,362	26.9	1,6
Alabama	1,086	25.4	4
Kentucky	1,014	26.1	3
Mississippi	470	17.3	1
Tennessee	1,792	33.7	6
WEST SOUTH CENTRAL	8,742	29.8	2,9
Arkansas	571	22.7	2
Louisiana	1,737	39.9	5
Oklahoma	660	20.0	2
Texas	5,774	30.2	1,9

BEST COPY AVAIL

S (MDs) AND RESIDENT-TO-POPULATION
IC AREA, DECEMBER 31, 1996

Y TS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE RESIDENTS	NON-PRIMARY CARE PER 100K POP
08	14.0	58,386	22.0
33	22.7	17,692	34.3
16	21.8	4,689	35.1
32	22.4	1,065	32.5
18	9.5	103	8.3
01	26.3	2,850	46.8
22	10.5	159	13.7
51	25.4	337	34.0
92	15.6	175	29.7
17	23.1	13,003	34.0
39	16.8	1,694	21.2
99	29.1	7,729	42.5
79	18.1	3,580	29.7
80	10.8	18,112	19.5
41	11.4	9,647	20.3
91	12.6	124	17.1
86	52.7	416	76.6
17	7.1	1,710	11.9
01	9.5	1,192	16.2
76	19.2	2,131	42.0
59	11.7	1,669	22.8
24	11.5	576	15.6
47	12.7	1,518	22.7
40	13.1	311	17.0
52	10.2	2,710	16.7
42	10.3	644	15.1
52	9.3	652	16.8
31	6.7	289	10.6
57	12.5	1,125	21.1
37	10.2	5,755	19.6
37	9.4	334	13.3
57	12.8	1,180	27.1
59	7.5	411	12.5
54	10.2	3,830	20.0

ABLE

TABLE 224. FEDERAL AND NONFEDERAL RESI
RATIOS BY SPECIALTY GROUP AND GEOGRAPHI

GEOGRAPHIC AREA	TOTAL RESIDENTS	TOTAL PER 100K POPULATION	PR RES
NORTH CENTRAL	22,933	36.9	
EAST NORTH CENTRAL	16,590	38.0	
Illinois	5,493	46.4	
Indiana	1,248	21.4	
Michigan	3,997	41.7	
Ohio	4,354	39.0	
Wisconsin	1,498	29.0	
WEST NORTH CENTRAL	6,343	34.3	
Iowa	744	26.1	
Kansas	743	28.9	
Minnesota	1,947	41.8	
Missouri	2,108	39.3	
Nebraska	550	33.3	
North Dakota	142	22.0	
South Dakota	109	14.9	
WEST	14,344	25.4	
MOUNTAIN	3,415	21.2	
Arizona	1,046	23.6	
Colorado	1,060	27.7	
Idaho	74	6.2	
Montana	26	3.0	
Nevada	172	10.7	
New Mexico	460	26.9	
Utah	528	26.4	
Wyoming	49	10.2	
PACIFIC	11,429	27.0	
Alaska	30	4.9	
California	8,974	28.2	
Hawaii	394	33.3	
Oregon	624	19.5	
Washington	1,407	25.4	

SOURCE: Bureau of Health Professions. Area Resourc

ENTS (MDs) AND RESIDENT-TO-POPULATION
AREA, DECEMBER 31, 1996 (Continued)

MARY ARE DENTS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE RESIDENTS	NON-PRIMARY CARE PER 100K POP
9,189	14.8	13,744	22.1
6,734	15.4	9,856	22.6
2,361	19.9	3,132	26.4
546	9.3	702	12.0
1,512	15.8	2,485	25.9
1,709	15.3	2,645	23.7
606	11.7	892	17.3
2,455	13.3	3,888	21.1
285	10.0	459	16.1
302	11.7	441	17.1
743	16.0	1,204	25.8
744	13.9	1,364	25.5
238	14.4	312	18.9
83	12.9	59	9.2
60	8.2	49	6.7
6,006	10.3	8,838	15.1
1,491	9.3	1,924	11.9
432	9.8	614	13.9
468	12.2	592	15.5
57	4.8	17	1.4
10	1.1	16	1.8
99	6.2	73	4.6
188	11.0	272	15.9
198	9.9	330	16.5
39	8.1	10	2.1
4,515	10.6	6,914	16.3
12	2.0	18	3.0
3,508	11.0	5,466	17.1
150	12.7	244	20.6
280	8.7	344	10.7
565	10.2	842	15.2

e File, February 1998.

TABLE 301. PROFESSIONALLY ACTIVE AND PRIV
POPULATION RATIOS, SEL

YEAR	NUMBER OF DENTISTS	
	PROFESSIONALLY ACTIVE	PRIVATE PRACTICE
1975	107,100	97,000
1976	110,300	100,100
1977	113,600	103,400
1978	117,000	106,700
1979	119,400	109,000
1980	121,900	111,300
1981	124,400	113,800
1982	127,000	116,200
1983	129,100	118,200
1984	131,300	120,200
1985	133,500	122,200
1986	135,700	124,300
1987	138,000	126,400
1988	141,100	129,200
1989	144,300	132,100
1990	147,500	135,100
1991	150,800	138,100
1992	151,100	138,700
1993	151,400	139,300
1994	152,000	140,800
1995	153,300	141,400
1996	154,900	142,100

SOURCE: Estimated by Health Resources and Servic
Professions, Office of Research and Planning base
Association Dental Manpower Model: 1995-2020.
U.S. Bureau of the Census. Current Population Re
Statistical Abstract of the United States, 1997 e

ATE PRACTICE DENTISTS AND DENTIST-TO-
ECTED YEARS 1975-1996

TOTAL POPULATION (THOUSANDS)	DENTISTS PER 100,000 POPULATION	
	TOTAL	ACTIVE
217,095	49.3	44.7
219,179	50.3	45.7
221,477	51.3	46.7
223,865	52.3	47.7
226,451	52.7	48.1
228,937	53.2	48.6
231,157	53.8	49.2
233,322	54.4	49.8
235,385	54.8	50.2
237,468	55.3	50.6
239,638	55.7	51.0
241,784	56.1	51.4
243,981	56.6	51.8
246,224	57.3	52.5
248,659	58.0	53.1
251,340	58.7	53.8
254,020	59.4	54.4
256,862	58.8	54.0
259,479	58.3	53.7
261,977	58.0	53.7
264,432	58.0	53.5
266,755	58.1	53.3

es Administration, Bureau of Health
d on data from the American Dental

ports, Series P-25 Nos. 1045, 1113, and 1128.
dition.

TABLE 302. PROFESSIONALLY ACTIVE DE
RATIOS BY GEOGRAPHIC AR

GEOGRAPHIC AREA	PROFESS ACTI DENTI
UNITED STATES	15
NORTHEAST	3
NEW ENGLAND	
Connecticut	
Maine	
Massachusetts	
New Hampshire	
Rhode Island	
Vermont	
MIDDLE ATLANTIC	2
New Jersey	
New York	1
Pennsylvania	
SOUTH	4
SOUTH ATLANTIC	2
Delaware	
District of Columbia	
Florida	
Georgia	
Maryland	
North Carolina	
South Carolina	
Virginia	
West Virginia	
EAST SOUTH CENTRAL	
Alabama	
Kentucky	
Mississippi	
Tennessee	
WEST SOUTH CENTRAL	1
Arkansas	
Louisiana	
Oklahoma	
Texas	

5

NTISTS AND DENTIST-TO-POPULATION
EA, DECEMBER 31, 1995

TIONALLY VE STS	DENTISTS PER 100,000 POPULATION
3,346	58.3
7,125	72.1
9,233	69.4
2,571	78.6
586	47.3
4,532	74.6
640	55.7
575	58.0
329	56.2
7,892	73.0
6,084	76.5
4,077	77.4
7,731	64.1
6,065	49.0
4,041	51.1
343	47.8
674	121.4
7,080	49.9
3,169	44.0
6,682	73.1
3,016	41.9
,597	43.6
3,654	55.2
826	45.3
7,592	47.3
,803	42.5
2,103	54.5
,023	37.9
2,663	50.8
5,432	46.5
999	40.2
2,042	47.1
,617	49.4
5,774	46.7

TABLE 302. PROFESSIONALLY ACTIVE DE
RATIOS BY GEOGRAPHIC AREA, D

GEOGRAPHIC AREA	ACTI CIVIL DENTI
NORTH CENTRAL	3
EAST NORTH CENTRAL	2
Illinois	
Indiana	
Michigan	
Ohio	
Wisconsin	
WEST NORTH CENTRAL	1
Iowa	
Kansas	
Minnesota	
Missouri	
Nebraska	
North Dakota	
South Dakota	
WEST	3
MOUNTAIN	
Arizona	
Colorado	
Idaho	
Montana	
Nevada	
New Mexico	
Utah	
Wyoming	
PACIFIC	2
Alaska	
California	2
Hawaii	
Oregon	
Washington	
State Unknown	

SOURCE: Estimated by the Bureau of Heal
data from the American Dental Associati

ITISTS AND DENTIST-TO-POPULATION
ECEMBER 31, 1995 (Continued)

VE IAN STS	DENTISTS PER 100,000 POPULATION
5,205	57.0
5,154	58.0
7,803	66.2
2,731	47.1
5,750	60.3
5,893	52.9
2,977	58.1
0,051	54.8
1,524	53.6
1,288	50.2
2,859	62.0
2,666	50.1
1,046	63.8
324	50.5
344	47.1
5,557	61.6
3,293	52.7
2,003	46.5
2,509	66.9
584	50.1
475	54.6
570	37.2
725	42.9
1,184	60.5
243	50.7
7,264	65.0
431	71.5
9,509	65.0
970	82.3
2,075	65.9
5,279	60.2
394	

th Professions based on unpublished
n.

7

TABLE 303. NUMBER OF DENTAL SCHOOL APPL
SELECTED ACADEMIC YEARS

ACADEMIC YEAR	NUMBER OF APPLICANTS	NUMBER OF FIRST-YEA STUDENTS
1960-61	4,664	3,61
1970-71	8,878	4,56
1975-76	15,734	5,76
1976-77	14,807	5,93
1977-78	12,837	5,95
1978-79	10,766	6,30
1979-80	10,000	6,13
1980-81	9,601	6,03
1981-82	8,852	5,85
1982-83	7,724	5,49
1983-84	7,128	5,27
1984-85	6,490	5,04
1985-86	6,216	4,84
1986-87	5,724	4,55
1987-88	5,397	4,37
1988-89	5,019	4,19
1989-90	4,996	3,97
1990-91	5,123	4,00
1991-92	5,632	4,04
1992-93	6,108	4,07
1993-94	6,753	4,10
1994-95	7,713	4,12
1995-96	8,437	4,23
1996-97	8,872	4,25
1997-98	9,829	4,34

1/ Applicant per first-year student ratio and
are computed using only new first-year student

SOURCE: American Association of Dental School
data. American Dental Association. 1997/98 S
Institutions Annual Report. Chicago, 1998. A

ICANTS AND FIRST-YEAR ENROLLMENTS,
1960-61 TO 1997-98

R	NUMBER OF APPLICANTS PER FIRST-YEAR STUDENT 1/	PERCENT OF APPLICANTS ENROLLED 1/
6	1.3	77
5	1.9	51
3	2.7	37
5	2.5	40
4	2.2	45
1	1.7	59
2	1.6	61
0	1.6	63
5	1.5	65
8	1.4	69
4	1.4	71
7	1.3	75
3	1.3	75
4	1.3	75
0	1.3	78
6	1.3	79
9	1.3	78
1	1.3	75
7	1.5	65
2	1.7	59
0	1.7	59
1	1.9	53
7	2.0	49
6	2.2	46
7	2.3	43

the percent of applicants enrolled
.

. Dean's Briefing Book and unpublished
urvey of Predoctoral Dental Education
so prior annual reports.

TABLE 304. NUMBER OF DENTAL SCHOOL
SELECTED ACADEMIC YEARS

ACADEMIC YEAR	NUMBER OF SCHOOLS	--- T
1950-51	42	1
1960-61	47	1
1970-71	53	1
1975-76	59	2
1976-77	59	2
1977-78	59	2
1978-79	60	2
1979-80	60	2
1980-81	60	2
1981-82	60	2
1982-83	60	2
1983-84	60	2
1984-85	60	2
1985-86	60	1
1986-87	59	1
1987-88	59	1
1988-89	58	1
1989-90	58	1
1990-91	56	1
1991-92	55	1
1992-93	55	1
1993-94	54	1
1994-95	54	1
1995-96	54	1
1996-97	54	1
1997-98	55	1

1/ Graduate data are for the ending year of t
data reported for academic year 1996-97 are fo

SOURCE: American Dental Association, Council
Register; 1997/98 Survey of Predoctoral Dente
Chicago, 1998. Also prior annual reports.

S, STUDENTS, AND GRADUATES,
1950-51 TO 1997-98

STUDENTS		
OTAL	FIRST YEAR	GRADUATES 1/
1,891	3,226	2,830
3,580	3,616	3,290
6,553	4,565	3,775
0,767	5,763	5,336
1,013	5,935	5,177
1,510	5,954	5,324
2,179	6,301	5,424
2,482	6,132	5,256
2,842	6,030	5,550
2,621	5,855	5,371
2,235	5,498	5,756
1,428	5,274	5,337
0,588	5,047	5,353
9,563	4,843	4,957
8,673	4,554	4,744
7,885	4,370	4,581
7,094	4,196	4,312
6,412	3,979	4,233
5,951	4,001	3,995
5,882	4,047	3,918
5,980	4,072	3,778
6,250	4,100	3,875
6,353	4,121	3,908
6,552	4,237	3,810
6,570	4,255	3,930
6,926	4,347	N/A

he academic year. For example, graduate
r 1997 dental school graduates.

on Dental Education. Dental Students'
l Educational Institutions Annual Report.

TABLE 305. FIRST-YEAR ENROLLMENTS IN D
ACADEMIC YEARS 19

ACADEMIC YEAR	TOTAL 1/	TOTAL MINORITIES 2/	UNDERREPRESENTED MINORITIES 3/ NUMBER	PERCENT
1980-81	6,030	772	455	7.5
1981-82	5,855	876	503	8.6
1982-83	5,498	879	492	8.9
1983-84	5,274	873	467	8.9
1984-85	5,047	981	516	10.2
1985-86	4,843	1,039	543	11.2
1986-87	4,554	1,050	551	12.1
1987-88	4,370	1,240	604	13.8
1988-89	4,196	1,258	577	13.8
1989-90	3,979	1,169	521	13.1
1990-91	4,001	1,156	515	12.9
1991-92	4,047	1,214	499	12.3
1992-93	4,072	1,191	459	11.3
1993-94	4,100	1,281	459	11.2
1994-95	4,121	1,320	436	10.6
1995-96	4,237	1,450	437	10.3
1996-97	4,255	1,416	422	9.9

1/ Includes students from the University of Puerto Rico.
2/ Excludes students from the University of Puerto Rico.
3/ Excludes Asians, and students from the University of Puerto R

SOURCE: American Dental Association. 1996-97 Survey of Predocto
Chicago, 1997. Also prior annual reports.

ENTAL SCHOOLS BY RACE AND ETHNICITY,
80-81 TO 1996-97

BLACK	HISPANIC 1/	AMERICAN INDIAN	ASIAN	WHITE
283	226	12	317	5,192
299	249	21	373	4,913
289	252	16	387	4,610
276	239	19	406	4,334
299	264	17	465	4,002
281	312	16	496	3,738
286	316	9	499	3,444
280	358	20	636	3,076
288	316	21	681	2,890
263	284	15	648	2,769
265	280	10	641	2,805
255	274	11	715	2,792
277	209	16	732	2,838
265	218	16	822	2,779
267	192	20	884	2,758
252	206	26	1,013	2,740
243	207	23	994	2,788

fice.

ral Dental Educational Institutions Annual Report.

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TABLE 306. TOTAL ENROLLMENTS IN DENTA
ACADEMIC YEARS 1980-8

ACADEMIC YEAR	TOTAL 1/	TOTAL MINORITIES 2/	UNDERREPRESENTED MINORITIES 3/ NUMBER	PERCENT
1980-81	22,842	2,634	1,594	7.0
1981-82	22,621	2,839	1,643	7.3
1982-83	22,235	3,024	1,701	7.7
1983-84	21,428	3,024	1,667	7.8
1984-85	20,588	3,408	1,816	8.8
1985-86	19,563	3,531	1,859	9.5
1986-87	18,673	3,687	1,882	10.1
1987-88	17,885	4,101	2,002	11.2
1988-89	17,094	4,411	2,085	12.2
1989-90	16,412	4,497	2,104	12.8
1990-91	15,951	4,585	2,066	13.0
1991-92	15,882	4,563	1,978	12.5
1992-93	15,980	4,626	1,976	12.4
1993-94	16,250	4,837	1,991	12.3
1994-95	16,353	4,852	1,776	10.9
1995-96	16,552	5,245	1,812	10.9
1996-97	16,570	5,470	1,628	9.8

1/ Includes students from the University of Puerto Rico.
2/ Excludes students from the University of Puerto Rico.
3/ Excludes Asians, and students from the University of Puerto Ric

SOURCE: American Dental Association. 1996-97 Survey of Predoctora
Also prior annual reports.

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SCHOOLS BY RACE AND ETHNICITY,
TO 1996-97

LACK	HISPANIC 1/	AMERICAN INDIAN	ASIAN	WHITE
,022	780	53	1,040	19,947
999	847	61	1,196	19,518
,001	896	65	1,323	18,950
,000	862	64	1,357	18,145
,037	980	60	1,592	16,919
,019	1,056	50	1,672	15,766
,032	1,064	56	1,805	14,716
994	1,201	60	2,099	13,531
984	1,276	63	2,326	12,445
983	1,278	57	2,393	11,701
940	1,254	53	2,519	11,185
907	1,187	51	2,585	11,152
943	1,152	48	2,650	11,187
972	1,141	50	2,846	11,241
928	967	56	3,076	11,326
951	966	73	3,433	11,129
951	824	83	3,612	11,100

Dental Educational Institutions. Chicago, 1997.

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TABLE 307. GRADUATES FROM DENTAL SCI

YEAR	TOTAL 1/	TOTAL MINORITIES 2/	UNDERREPRESENTED MINORITIES 3/ NUMBER	PERCENT
1980	5,256	520	323	6.1
1981	5,550	564	318	5.7
1982	5,371	614	349	6.5
1983	5,756	517	356	6.2
1984	5,337	660	356	6.7
1985	5,353	767	389	7.3
1986	4,957	737	355	7.2
1987	4,744	775	379	8.0
1988	4,581	859	400	8.7
1989	4,312	959	438	10.2
1990	4,233	998	474	11.2
1991	3,995	1,084	507	12.7
1992	3,918	1,084	444	11.3
1993	3,778	1,078	437	11.6
1994	3,875	1,102	464	12.0
1995	3,908	1,128	468	12.0
1996	3,810	1,116	381	10.0
1997	3,930	1,196	404	10.3

1/ Includes students from the University of Puerto Rico.
2/ Excludes students from the University of Puerto Rico.
3/ Excludes Asians, and students from the University of Puer

SOURCE: American Dental Association. 1997-98 Survey of Prec
Chicago, 1998. Also prior annual reports.

OOLS BY RACE AND ETHNICITY, 1980 TO 1997

BLACK	HISPANIC 1/	AMERICAN INDIAN	ASIAN	WHITE
190	182	14	197	4,673
214	145	14	246	4,931
227	177	12	265	4,690
200	210	12	215	5,119
219	192	9	304	4,613
223	213	17	378	4,522
195	208	10	382	4,162
210	231	11	396	3,896
227	221	14	459	3,660
193	296	14	521	3,288
216	320	8	524	3,165
204	348	12	577	2,854
174	296	12	640	2,796
171	288	12	607	2,700
194	292	13	603	2,773
201	300	8	660	2,739
205	209	9	693	2,694
201	210	18	767	2,734

to Rico.

octoral Dental Educational Institutions Annual Report.

TABLE 308. FIRST-YEAR AND TOTAL ENROL
BY GENDER, ACADEMI

ACADEMIC YEAR	NUMBER OF SCHOOLS	FIRST-YEAR ENROLLMENTS		
		TOTAL	WOMEN	PERCENT WOMEN
1985-86	60	4,843	1,324	27.3
1986-87	59	4,554	1,387	30.5
1987-88	59	4,370	1,410	32.3
1988-89	58	4,196	1,395	33.2
1989-90	58	3,979	1,367	34.4
1990-91	56	4,001	1,522	38.0
1991-92	55	4,047	1,468	36.3
1992-93	55	4,072	1,435	35.2
1993-94	54	4,100	1,503	36.7
1994-95	54	4,121	1,504	36.5
1995-96	54	4,237	1,498	35.4
1996-97	54	4,255	1,605	37.7

1/ Graduate data are for the ending year of the academic year.
are for 1997 dental school graduates.

SOURCE: American Dental Association. 1997/98 Survey of Predoct
Also prior annual reports.

MENTS AND GRADUATES IN SCHOOLS OF DENTISTRY
YEARS 1985-86 TO 1996-97

TOTAL ENROLLMENTS			GRADUATES 1/		
TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN
19,563	4,944	25.3	4,957	1,076	21.7
18,673	5,068	27.1	4,744	1,110	23.4
17,885	5,253	29.4	4,581	1,230	26.9
17,094	5,265	30.8	4,312	1,188	27.6
16,412	5,358	32.6	4,233	1,304	30.8
15,951	5,490	34.4	3,995	1,299	32.5
15,882	5,656	35.6	3,918	1,308	33.4
15,980	5,804	36.3	3,778	1,333	35.3
16,250	5,998	36.9	3,875	1,519	39.2
16,353	5,965	36.5	3,908	1,407	36.0
16,552	6,070	36.7	3,810	1,387	36.4
16,570	6,108	36.9	3,930	1,450	36.9

For example, graduate data reported for academic year 1996-97

oral Dental Educational Institutions Annual Report. Chicago, 1998.

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TABLE 401. ESTIMATED NUMBER OF REGISTERED NURSES E
DECEMBER 31, 1

YEAR	TOTAL	HIGHEST EDUCATIONAL PREPAR	
		ASSOCIATE/ DIPLOMA	BACCA- LAUREATE
1980	1,272,900	908,300	297,300
1981	1,326,700	932,700	321,100
1982	1,379,300	955,700	345,700
1983	1,436,100	980,400	372,700
1984	1,485,700	997,300	397,600
1985	1,538,100	1,024,500	419,900
1986	1,589,600	1,048,000	442,700
1987	1,627,000	1,054,300	468,900
1988	1,678,700	1,070,200	496,000
1989	1,730,900	1,087,000	521,800
1990	1,789,600	1,107,300	549,000
1991	1,853,000	1,132,200	574,800
1992	1,907,100	1,158,400	594,200
1993	1,975,800	1,193,600	618,000
1994	2,044,000	1,227,000	643,100
1995	2,115,800	1,235,100	673,200
1996 2/	2,161,700	1,252,600	693,200

FTE = Full-time equivalent
1/ Ratios based on U.S. resident population as of July 1
2/ Preliminary estimates.

SOURCE: Division of Nursing, Bureau of Health Profession
December 1997.

MPLOYED IN NURSING BY HIGHEST EDUCATIONAL PREPARATION
980-1996

ATION			
MASTER'S & ABOVE	TOTAL RNS PER 100,000 POPULATION 1/	FTE RN SUPPLY	FTE RNS PER 100,000 POPULATION 1/
67,300	555	1,068,000	465
73,000	573	1,112,700	480
77,900	590	1,155,700	494
83,000	609	1,202,600	510
90,900	624	1,234,900	519
93,700	641	1,282,100	534
99,000	656	1,330,100	549
103,800	665	1,363,600	558
112,500	680	1,409,600	571
122,100	694	1,456,000	584
133,300	710	1,508,300	598
146,000	727	1,564,500	614
154,600	740	1,646,100	639
164,200	759	1,701,100	653
173,900	778	1,764,500	671
207,500	798	1,813,100	683
215,900	808	1,891,300	707

as reported by the Bureau of the Census, December 1997.

s, Health Resources and Services Administration,

TABLE 402. ESTIMATED SUPPLY OF
DECEMBE

GEOGRAPHIC AREA
United States
New England
Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont
Middle Atlantic
New Jersey
New York
Pennsylvania
South Atlantic
Delaware
District of Columbia
Florida
Georgia
Maryland
North Carolina
South Carolina
Virginia
West Virginia
East South Central
Alabama
Kentucky
Mississippi
Tennessee
West South Central
Arkansas
Louisiana
Oklahoma
Texas

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REGISTERED NURSES BY GEOGRAPHIC AREA
R 31, 1996

TOTAL REGISTERED NURSES 1/	RNS PER 100,000 POP 2/
2,161,700	808
147,900	1,105
33,400	1,021
13,300	1,071
73,300	1,198
11,200	955
11,400	1,155
5,300	900
361,100	945
67,100	833
167,600	924
126,300	1,051
391,200	811
7,700	1,052
8,900	1,682
119,300	814
53,600	716
43,000	844
62,000	835
27,400	729
54,400	808
15,000	826
129,600	794
32,800	759
30,400	778
19,900	729
46,400	864
194,200	655
17,900	709
32,400	744
19,600	591
124,200	639

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TABLE 402. ESTIMATED SUPPLY OF REG
DECEMBER 31, 19

GEOGRAPHIC AREA
East North Central
Illinois
Indiana
Michigan
Ohio
Wisconsin
West North Central
Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota
Mountain
Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming
Pacific
Alaska
California
Hawaii
Oregon
Washington

1/ Estimated numbers may not add to total
2/ Ratios are based on estimates of U.S.

SOURCE: Estimates prepared by Division o
Health Resources and Services Administrat

ISTERED NURSES BY GEOGRAPHIC AREA
96 (Continued)

TOTAL REGISTERED NURSES 1/	RNS PER 100,000 POP 2/
377,900	861
104,700	880
46,900	800
79,600	814
101,200	905
45,600	882
177,900	958
29,100	1,020
21,600	832
46,200	986
51,200	948
15,200	917
7,000	1,092
7,700	1,043
117,000	710
33,200	729
30,900	794
7,100	587
7,100	808
9,900	590
11,700	676
13,000	631
4,200	875
264,900	617
6,300	1,034
179,700	557
8,900	750
26,500	817
43,500	775

because of rounding.
esident population as of July 1, 1997.

Nursing, Bureau of Health Professions,
on, 1996.

TABLE 403. FIELD OF EMPLOYMENT AND TYPE OF POSI

Field of employment	Total 1/	Managers 2/	Staff Nurse	Nurse Practitioner/ Midwife	S
Total	2,115,815	330,816	1,309,596	44,904	
Hospital	1,270,870	139,012	949,758	11,589	
Nursing home/extended care facility	170,856	69,770	71,966	1,046	
Nursing education	48,918	5,715	1,833	181	
Community/public health	278,141	62,315	114,501	9,455	
Student health service	62,932	2,799	51,590	2,602	
Occupational health	21,575	5,317	8,124	623	
Ambulatory care setting employee	178,930	32,143	93,308	18,817	
Other	82,635	13,746	18,405	393	
Not Known	957	--	111	199	

1/ Includes an estimated 2,422 nurses whose type of position is not known
2/ Includes Administrators, Supervisors, and Head Nurses.

Note: Individual items may not add to total due to rounding.

SOURCE: U.S. Department of Health and Human Services, Division of Nursing

ION FOR EMPLOYED REGISTERED NURSES, MARCH 1996

Clinical Nurse Specialist	Nurse Clinician	Certified Nurse Anesthetist	Instructor	Consultant/ Researcher	Private Duty	Other
35,620	30,396	21,827	73,084	39,685	15,947	211,518
21,441	18,546	19,183	17,750	9,788	1,000	81,758
697	618	--	5,942	2,899	1,062	16,278
216	--	--	39,991	316	--	666
4,770	4,792	--	2,449	5,494	11,572	62,636
455	326	--	1,899	1,393	62	1,806
174	487	--	36	1,910	96	4,807
6,383	4,822	2,598	1,053	4,906	104	14,568
1,483	767	46	3,965	12,934	2,050	28,845
--	37	--	--	42	--	156

. National Sample Survey of Registered Nurses, March 1996.

7

TABLE 404. REGISTERED NURSES EMPLOYED IN NURSING BY G

Gender, Race/ Ethnicity	November 1984 Number	Percent	Marc 19 Number
Total	1,485,725	100.0	1,627,035
Gender			
Male	49,658	3.3	58,242
Female	1,436,067	96.7	1,566,952
Not known	0	0.0	1,840
Race/Ethnicity			
White (non-Hispanic)	1,329,118	89.5	1,479,093
Black (non-Hispanic)	67,175	4.5	65,304
Asian/Pacific Islander	44,813	3.0	44,210
American Indian/ Alaskan Native	4,996	0.3	7,129
Hispanic	23,390	1.6	22,140
Not known	16,233	1.1	9,159

1/ Less than 0.1 percent.

Note: Estimated numbers and percents may not add to total be

Source: U.S. Department of Health and Human Services, Divisi of Registered Nurses, March 1996. Also prior surveys.

NDER AND RACE/ETHNICITY, SELECTED YEARS 1984-1996

h 8 Percent	March 1992 Number	Percent	March 1996 Number	Percent
100.0	1,853,024	100.0	2,115,815	100.0
3.6	79,557	4.3	113,683	5.4
96.3	1,772,395	95.6	2,001,399	94.6
0.1	1,073	0.1	734	1/
90.9	1,655,704	89.4	1,885,532	89.1
4.0	80,568	4.3	91,157	4.3
2.7	69,973	3.8	79,152	3.7
0.4	8,162	0.4	10,510	0.5
1.4	27,470	1.5	35,804	1.7
0.6	11,147	0.6	13,661	0.6

cause of rounding.

on of Nursing. National Sample Survey

TABLE 405. NUMBER OF BASI
SELECTED ACADE

ACADEMIC YEAR	PROGRAMS 1/
1950-51 3/	1,170
1960-61	1,114
1970-71	1,340
1975-76	1,362
1976-77	1,358
1977-78	1,356
1978-79	1,358
1979-80	1,374
1980-81	1,385
1981-82	1,401
1982-83	1,432
1983-84	1,466
1984-85	1,477
1985-86	1,473
1986-87	1,469
1987-88	1,465
1988-89	1,442
1989-90	1,457
1990-91	1,470
1991-92	1,484
1992-93	1,484
1993-94	1,493
1994-95	1,501
1995-96	1,516
1996-97	1,508

1/ As of October 15.
2/ Time period is from September 1 to A
August 1 to July 31 for subsequent y
3/ Number of programs and enrollments a
graduations are for calendar year 19

SOURCE: National League for Nursing. N
State-Approved Schools of Professional N
Schools of Nursing-RN, 1971 and 1972 edi
Facts About Nursing 1952.

BEST COPY A

RN PROGRAMS, STUDENTS AND GRADUATES,
IC YEARS 1950-51 TO 1996-97

NROLLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
102,509	41,667	28,794
118,163	49,219	30,019
162,924	78,524	46,455
248,171	112,174	77,065
247,044	112,523	77,755
245,390	110,950	77,874
239,486	107,476	77,132
234,659	105,952	75,523
230,966	110,201	73,985
234,995	115,279	74,052
242,035	120,579	77,408
250,553	123,824	80,312
257,232	118,224	82,075
217,955	100,791	77,027
193,712	90,693	70,561
182,947	94,269	64,839
184,924	103,025	61,660
201,458	108,580	66,088
221,170	113,526	72,230
237,598	122,656	80,839
257,983	126,837	88,149
270,228	129,897	94,870
268,350	127,184	97,052
261,219	119,205	94,757
238,244	NA	NA

gust 31 for academic year 1960-61, and
ars.
e as of January 1, 1951; Admissions and
1.

rsing Datasource, Vol 1, 1992 and 1997 editions.
rsing,1961 and 1962 editions. State-Approved
ions; American Nurses Association.

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VAILABLE

TABLE 406. NUMBER OF ASSOCIATE DEGREE
ACADEMIC YEAR

ACADEMIC YEAR	PROGRAMS 1/	ENRO
1975-76	608	
1976-77	632	
1977-78	645	
1978-79	666	
1979-80	678	
1980-81	697	
1981-82	715	
1982-83	742	
1983-84	764	
1984-85	777	
1985-86	776	
1986-87	776	
1987-88	789	
1988-89	792	
1989-90	812	
1990-91	829	
1991-92	838	
1992-93	848	
1993-94	857	
1994-95	868	
1995-96	876	
1996-97	876	

1/ As of October 15 of each year.
2/ Time period for the academic year is Aug

SOURCE: National League for Nursing. Nursin

NURSING PROGRAMS, STUDENTS AND GRADUATES,
S 1975-76 TO 1996-97

LLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
88,121	52,232	34,625
91,004	53,610	36,289
91,102	52,991	36,556
91,527	53,366	36,264
92,069	53,633	36,034
94,060	56,899	36,712
100,019	60,423	38,289
105,324	63,947	41,849
109,605	66,576	44,394
104,968	63,776	45,208
96,756	56,635	41,333
89,469	54,330	38,528
90,399	57,375	37,397
95,986	63,973	37,837
106,175	68,634	42,318
117,413	69,869	46,794
123,816	74,079	52,896
132,603	75,382	56,770
137,300	77,343	58,839
135,895	76,016	58,749
135,235	72,930	56,641
122,242	NA	NA

ust 1 through July 31.

g Data Source, Vol 1, 1992 and 1997 editions.

TABLE 407. NUMBER OF DIPLOMA NURSI
ACADEMIC YEARS

ACADEMIC YEAR	PROGRAMS 1/	ENRO
1975-76	428	
1976-77	390	
1977-78	367	
1978-79	344	
1979-80	333	
1980-81	311	
1981-82	303	
1982-83	288	
1983-84	281	
1984-85	273	
1985-86	256	
1986-87	238	
1987-88	209	
1988-89	171	
1989-90	157	
1990-91	152	
1991-92	145	
1992-93	135	
1993-94	129	
1994-95	124	
1995-96	119	
1996-97	109	

1/ As of October 15 of each year.
2/ Time period for the academic year is Aug

SOURCE: National League for Nursing. Nursi

NG PROGRAMS, STUDENTS AND GRADUATES,
1975-76 TO 1996-97

LLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
60,213	23,622	19,861
56,091	22,243	18,014
52,858	20,611	17,131
48,059	18,499	15,820
43,651	16,905	14,495
41,048	17,494	12,903
41,009	18,928	11,682
42,348	19,368	11,704
42,007	17,848	12,200
37,256	14,875	11,892
30,179	9,846	10,524
22,641	8,337	8,272
18,927	8,389	5,938
18,860	10,010	4,826
20,418	10,088	5,199
21,969	10,220	6,172
22,905	10,691	6,528
23,252	10,165	6,937
22,235	9,601	7,119
19,796	7,717	7,049
16,479	6,227	5,703
12,789	NA	NA

ust 1 through July 31.

ng Datasource, Vol 1, 1992 and 1997 editions.

TABLE 408. NUMBER OF BASIC BACCALAURE
ACADEMIC YEAR

ACADEMIC YEAR	PROGRAMS 1/	ENR
1975-76	326	
1976-77	336	
1977-78	344	
1978-79	348	
1979-80	363	
1980-81	377	
1981-82	383	
1982-83	402	
1983-84	421	
1984-85	427	
1985-86	441	
1986-87	455	
1987-88	467	
1988-89	479	
1989-90	488	
1990-91	489	
1991-92	501	
1992-93	501	
1993-94	507	
1994-95	509	
1995-96	521	
1996-97	523	

NOTE: Includes programs and students in gen
are in existence.

1/ As of October 15 of each year.
2/ Time period for the academic year is Aug

SOURCE: National League for Nursing. Nursi

ATE NURSING PROGRAMS, STUDENTS AND GRADUATES,
S 1975-76 TO 1996-97

OLLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
99,837	36,320	22,579
99,949	36,670	23,452
101,430	37,348	24,187
99,900	35,611	25,048
98,939	35,414	24,994
95,858	35,808	24,370
93,967	35,928	24,081
94,363	37,264	23,855
98,941	39,400	23,718
95,008	39,573	24,975
91,020	34,310	25,170
81,602	28,026	23,761
73,621	28,505	21,504
70,078	29,042	18,997
74,865	29,858	18,571
81,788	33,437	19,264
90,877	37,886	21,415
102,128	41,290	24,442
110,693	42,953	28,912
112,659	43,451	31,254
109,505	40,048	32,413
103,213	NA	NA

erfic master's and doctoral programs, where such

ust 1 through July 31.

ng Datasource, Vol 1, 1992 and 1997 editions.

TABLE 409. ESTIMATED NUMBER OF

YEAR
1983
1984
1985
1986
1987
1988
1989
1990
1991

1/ Estimates based on data from
Practical/Vocational Nurses,
Examination Statistics, Natio
annual editions.

SOURCE: Estimates prepared by th
Professions.

MPLOYED LICENSED PRACTICAL NURSES, 1983-1991

	EMPLOYED LPNS 1/
	539,000
	546,000
	553,000
	545,000
	530,000
	537,000
	550,000
	540,000
	555,000

National Sample Survey of Licensed
November 1983, and Licensure &
nal Council of State Boards of Nursing,

e Division of Nursing, Bureau of Health

TABLE 410. NUMBER OF PRACTICAL NURS
SELECTED ACADEMIC YE

ACADEMIC YEAR	PROGRAMS 1/	ENROLL
1950-51 3/	144	
1960-61 4/	683	2
1970-71	1,233	5
1975-76	1,315	5
1976-77	1,318	5
1977-78	1,319	5
1978-79	1,310	5
1979-80	1,298	5
1980-81	1,299	5
1981-82	1,309	5
1982-83	1,295	5
1983-84	1,297	5
1984-85	1,254	4
1985-86	1,165	3
1986-87	1,087	3
1987-88	1,068	4
1988-89	1,095	4
1989-90	1,171	4
1990-91	1,154	5
1991-92	1,125	5
1992-93	1,154	5
1993-94	1,159	6
1994-95	1,185	5
1995-96	1,210	5

1/ As of October 15 of each year.
2/ Time period is from September 1 through
August 1 through July 31 for subsequent
3/ Number of programs are as of 12/31/50,
and graduations are for calendar year
4/ Number of programs are as of 8/31/61.

SOURCE: National League for Nursing. Nurs
Approved Schools of Practical and Vocationa
Association. Facts About Nursing, 1951.

ING PROGRAMS, STUDENTS AND GRADUATES,
ARS 1950-51 TO 1995-96

ENTS 1/	ADMISSIONS 2/	GRADUATES 2/
,325	5,097	2,828
,587	24,675	16,422
,526	59,128	37,954
,460	61,353	47,145
,423	60,166	46,614
,943	60,610	45,350
,543	57,081	44,235
,202	56,316	41,892
,565	58,479	41,002
,024	60,426	43,299
,367	61,453	45,174
,446	57,865	44,654
,840	47,034	36,955
,345	44,477	29,599
,510	42,452	27,285
,035	43,774	26,912
,808	47,602	30,368
,720	52,969	35,417
,749	56,176	38,100
,762	58,245	41,951
,095	60,749	44,822
,007	60,632	45,083
,428	57,906	44,234
,028	NA	NA

August 31 for academic year 1960-61 and
years.
enrollments are as of 1/1/51 and admission
950.

ing Datasource, Vol III, 1996. State-
l Nursing, 1962; American Nurses

TABLE 501. ESTIMATED NUMBER OF ACTIVE OPTO
SELECTED YE

YEAR	ALL ACTIVE OPTOMETRISTS 1/
1950	14,800
1955	15,400
1960	16,100
1965	17,300
1970	18,400
1975	19,900
1980	21,900
1981	22,300
1982	22,700
1983	23,100
1984	23,600
1985	24,000
1986	24,300
1987	24,700
1988	25,100
1989	25,500
1990	26,000
1991	26,500
1992	27,000
1993	27,600
1994	28,300
1995	28,900
1996	29,500

1/ Includes optometrists in Federal service

SOURCE: U.S. Department of Health, Educatio
Statistics. Health Resources Statistics 197
of Health Professions, Division of Associate
American Optometric Association; U.S. Burea
Series P-25 1113, 1128, and 1130. Monthly E
April 1, 1980 to January 1, 1997.

BEST COPY

METRISTS AND OPTOMETRIST-TO-POPULATION RATIOS,
ARS 1950-1996

TOTAL POPULATION (THOUSANDS)	OPTOMETRISTS PER 100,000 TOTAL POP
153,622	9.6
167,513	9.2
182,287	8.8
195,539	8.8
206,466	8.9
217,095	9.2
228,937	9.6
231,157	9.6
233,322	9.7
235,385	9.8
237,468	9.9
239,638	10.0
241,784	10.1
243,981	10.1
246,224	10.2
248,659	10.3
251,340	10.3
254,020	10.4
256,862	10.5
259,479	10.6
261,977	10.8
264,432	10.9
266,755	11.1

n, and Welfare, National Center for Health
6-77, DHEW Pub No (PHS) 79-1509, 1979; Bureau
d, Dental and Public Health Professions;
u of the Census. Current Population Reports
stimates of the United States Population:

75

AVAILABLE

TABLE 502. NUMBER OF SCHOOL
SELECTED ACADEM

ACADEMIC YEAR	NUMBER OF SCHOOLS
1960-61	10
1970-71	11
1975-76	12
1976-77	12
1977-78	12
1978-79	13
1979-80	14
1980-81	16
1981-82	17
1982-83	17
1983-84	17
1984-85	17
1985-86	17
1986-87	17
1987-88	17
1988-89	17
1989-90	17
1990-91	17
1991-92	17
1992-93	17
1993-94	17
1994-95	17
1995-96 1/	17
1996-97 1/	17

1/ Data for St. Louis University
and 1996-97 first-year and total

SOURCE: Association of Schools a
Optometric Association.

S OF OPTOMETRY, STUDENTS AND GRADUATES,
IC YEARS 1960-61 TO 1996-97

	STUDENTS	
TOTAL	FIRST YEAR	GRADUATES
1,101	407	316
2,831	884	528
3,888	1,057	906
4,033	1,111	925
4,209	1,140	928
4,436	1,180	1,056
4,517	1,202	1,073
4,641	1,258	1,092
4,729	1,249	1,106
4,646	1,147	1,166
4,652	1,219	1,188
4,569	1,187	1,114
4,562	1,251	1,085
4,636	1,234	1,081
4,646	1,268	1,106
4,708	1,271	1,143
4,723	1,258	1,115
4,760	1,239	1,224
4,864	1,355	1,150
5,078	1,395	1,167
NA	1,351	1,125
5,201	1,390	1,219
5,312	1,438	1,210
5,210	1,362	N/A

are not included in 1995-96 graduate
enrollment figures.

nd Colleges of Optometry; American

TABLE 503. ESTIMATED NUMBER OF ACTIVE PHA
RATIOS, SELECTED YE

YEAR	ALL ACTIVE PHARMACISTS 1/
1950	88,300
1955	96,900
1960	101,000
1965	104,100
1970	112,600
1975	121,800
1980	142,400
1981	145,600
1982	148,300
1983	150,500
1984	152,100
1985	153,500
1986	156,100
1987	158,700
1988	161,400
1989	164,000
1990	166,700
1991	169,400
1992	172,000
1993	175,400
1994	178,800
1995	182,300
1996	185,000

1/ Includes pharmacists in Federal service.

SOURCE: U.S. Department of Health, Education
Health Manpower Source Book. PHS Publication
Health Professions supply model; Vector Rese
Pharmacists Licensed in the United States (Dr
Current Population Reports Series P-25, Nos.
of the United States Population: April 1, 19

77

RMACISTS AND PHARMACIST-TO-POPULATION
ARS 1950-1996

TOTAL POPULATION (THOUSANDS)	PHARMACISTS PER 100,000 POPULATION
153,[illegible]	57.5
167,[illegible]	57.8
182,[illegible]	59.4
195,[illegible]	59.2
206,[illegible]	58.9
217,[illegible]	58.1
228,[illegible]	58.2
231,[illegible]	58.0
233,[illegible]	58.0
235,[illegible]	57.9
237,[illegible]	58.1
239,[illegible]	58.1
241,[illegible]	58.0
243,[illegible]	58.0
246,[illegible]	58.0
248,[illegible]	58.0
251,[illegible]	58.3
254,[illegible]	58.3
256,[illegible]	57.9
259,[illegible]	58.3
261,[illegible]	58.9
264,[illegible]	59.1
266,[illegible]	

fare, Public Health Service,
, and Welfare (73), 1992; Bureau of
263 (Sec. 1991 Census of
arch, Inc.); U.S. Bureau of the Census,
aft reports, and 1130. Monthly Estimates
1113, 112uary 1, 1997.
30 to Jar

TABLE 504. NUMBER OF SCHOOLS OF
SELECTED ACADEMIC Y

ACADEMIC YEAR	NUMBER OF SCHOOLS	... T
1960-61	77	
1970-71	74	
1975-76	73	
1976-77	72	
1977-78	72	
1978-79	72	
1979-80	72	
1980-81	72	
1981-82	72	
1982-83	72	
1983-84	72	
1984-85	72	
1985-86	72	
1986-87	72	
1987-88	72	
1988-89	72	
1989-90	72	
1990-91	72	
1991-92	72	
1992-93	72	
1993-94	72	
1994-95	72	
1995-96	72	
1996-97	72	

1/ Total students include those in the professional degree programs prior students in all professional years i.e., 3 years for Baccalaureate and year students are in the first of th

SOURCE: American Association of College Students, Fall 1996.

PHARMACY, STUDENTS AND GRADUATES,
EARS 1960-61 TO 1996-97

	STUDENTS 1/	
OTAL	FIRST YEAR	GRADUATES
8,606	5,824	2,445
9,626	5,694	4,747
9,416	8,710	7,464
9,082	8,208	8,011
9,093	8,461	7,785
9,647	8,331	7,550
9,074	8,035	7,432
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

TABLE 505. ESTIMATED NUMBER OF ACTIVE V
RATIOS, SELECTED

YEAR	ACTIVE VETERINARIANS 1/
1950	13,500
1955	16,500
1960	19,700
1965	23,300
1970	25,900
1975	31,100
1980	36,500
1981	37,600
1982	38,800
1983	40,000
1984	41,300
1985	42,600
1986	43,900
1987	45,100
1988	46,300
1989	47,500
1990	48,700
1991	50,200
1992	51,400
1993	52,700
1994	53,900
1995	55,300
1996	56,700

1/ Includes veterinarians in Federal servi

SOURCE: U.S. Department of Health, Educati
Health Manpower Source Book, PHS Pub No. 26
Professions; American Veterinary Medical A
Annual Report, 1995. Also unpublished data
Population Reports Series P-25, Nos. 1113,
United States Population: April 1, 1980 to

ETERINARIANS AND VETERINARIAN-TO-POPULATION
YEARS 1950-1996

TOTAL POPULATION (THOUSANDS)	VETERINARIANS PER 100,000 POPULATION
153,622	8.8
167,513	9.8
182,287	10.8
195,539	11.9
206,466	12.5
217,095	14.3
228,937	15.9
231,157	16.3
233,322	16.6
235,385	17.0
237,468	17.4
239,638	17.8
241,784	18.2
243,981	18.5
246,224	18.8
248,659	19.1
251,340	19.4
254,020	19.8
256,862	20.0
259,479	20.3
261,977	20.6
264,432	20.9
266,755	21.3

ce.

on, and Welfare, Public Health Service.
3 (Sec 20), 1969; Bureau of Health
ssociation. Veterinary Demographic
; U.S. Bureau of the Census. Current
1128, and 1130. Monthly Estimates of the
January 1, 1997.

9

TABLE 506. NUMBER OF SCHOOLS OF VET
SELECTED ACADEMIC

ACADEMIC YEAR	NUMBER OF SCHOOLS	TO
1960-61	18	
1970-71	18	
1975-76	19	
1976-77	21	
1977-78	22	
1978-79	22	
1979-80	23	
1980-81	25	
1981-82	26	
1982-83	26	
1983-84	27	
1984-85	27	
1985-86	27	
1986-87	27	
1987-88	27	
1988-89	27	
1989-90	27	
1990-91	27	
1991-92	27	
1992-93	27	
1993-94	27	
1994-95	27	
1995-96	27	
1996-97	27	
1997-98	27	

SOURCE: Association of American Veteri

ERINARY MEDICINE, STUDENTS AND GRADUATES,
YEARS 1960-61 TO 1997-98

STUDENTS		
TAL	FIRST YEAR	GRADUATES
,497	983	824
,006	1,430	1,239
,274	1,712	1,523
,571	1,856	1,591
,918	1,973	1,640
,334	2,089	1,704
,803	2,247	1,845
,156	2,239	1,932
,391	2,246	1,969
,538	2,211	1,976
,672	2,284	2,138
,843	2,329	NA
,928	2,282	2,181
,887	2,273	2,104
,822	2,207	2,169
,558	2,195	2,142
,456	2,194	2,117
,420	2,197	2,021
,508	2,225	2,024
,702	2,259	2,074
,859	2,297	2,065
,881	2,276	2,111
,854	2,283	NA
,956	2,334	2,170
,010	2,326	NA

nary Medical Colleges. Unpublished data.

30

TABLE 507. ESTIMATED AND PROJECTED NUMBE
POPULATION RATIOS,

YEAR	ALL ACTIVE CHIROPRACTORS 1/
1980	25,600
1982	28,300
1984	31,500
1986	35,000
1988	39,000
1990	41,500
1991	42,700
1992	43,800
1993	44,900
1994	46,100
1995	47,200

1/ Data from 1988 projected assuming 2500 gr
net separation rate.

SOURCES: Estimates prepared by the Bureau of
Dental and Public Health Professions and the
from the American Chiropractic Association;
Reports Series P-25 No. 1113, 1128, and 1130.
Population: April 1, 1980 to January 1, 1997

8

OF ACTIVE CHIROPRACTORS AND CHIROPRACTOR-TO-
SELECTED YEARS 1980-1995

TOTAL POPULATION (THOUSANDS)	CHIROPRACTORS PER 100,000 TOTAL POP
228,937	11.2
233,322	12.1
237,468	13.3
241,784	14.5
246,224	15.8
251,340	16.5
254,020	16.8
256,862	17.1
259,479	17.3
261,977	17.6
264,432	17.8

aduates per year and a 3 percent annual

Health Professions, Division of Associated
Office of Research & Planning based on data
U.S. Bureau of the Census. Current Population
Monthly Estimates of the United States

TABLE 601. ESTIMATED NUMBERS OF ACTIVE AL

OCCUPATION	
Allied health personnel	7
Dental hygienists	
Dental assistants	1
Dental laboratory technicians	
Dietitians	
Dietetic technicians	
Emergency Medical Technician EMT-Paramedic	
Health information administrators	
Health information technologists	
Medical Laboratory workers	1
Occupational therapists	
Orthotics and Prosthetics	
Physical therapists	
Radiologic service workers	
Respiratory therapy workers	
Speech pathologist/ audiologists	
Other allied health 2/	1

1/ All numbers are rounded to the nearest thousand. numbers may differ from those that appear elsewher

2/ Includes dietetic assistants, genetic assistants, assistants, optometric assistants and technicians, therapy assistants, podiatric assistants, medical other rehabilitation service workers, and other so

SOURCE: Health Resources and Services Administration, Planning.

IED HEALTH PERSONNEL, SELECTED YEARS 1970-1996 1/

970	1980	1990	1996
0,000	1,276,000	1,833,000	2,319,300
0,000	54,000	81,000	94,000
2,000	156,000	201,000	212,000
1,000	43,000	50,000	53,000
7,000	32,000	67,000	69,000
0,000	38,000	36,000	40,000
5,000	70,000	98,000	144,000
0,000	13,000	18,000	22,000
2,000	60,000	69,000	75,000
5,000	249,000	297,000	330,000
6,000	25,000	34,000	45,000
1,000	2,000	3,000	3,300
0,000	50,000	92,000	107,000
7,000	116,000	157,000	204,000
0,000	56,000	75,000	111,000
9,000	50,000	65,000	97,000
5,000	262,000	490,000	713,000

Due to revisions and independent estimations, some
e.

operating room technicians, ophthalmic medical
pharmacy assistants, occupational and physical
transcriptionists, vocational rehabilitation counselors,
cial and mental health service workers.

Bureau of Health Professions, Office of Research and

TABLE 602. NUMBER OF SELECTED ALLIED HE
AND STUDENTS AND GRADUATES,

OCCUPATION
Anesthesiologist's Assistant
Art Therapist
Athletic Trainer
Cardiovascular Technologist
Clinical Laboratory Scientist
Clinical Laboratory Technician-Associate Deg
Clinical Laboratory Technician-Certificate
Cytotechnologist
Dental Assistant
Dental Hygienist
Dental Laboratory Technician
Diagnostic Medical Sonographer
Dietetic Technician
Dietitian/Nutritionist
Electroneurodiagnostic Technologist
Emergency Medical Technician-Paramedic
Genetic Counselor
Health Information Administrator
Health Information Technologists
Histologic Technician-Associate Deg
Histologic Technician-Certificate
Histotechnologist
Medical Assistant
Medical Illustrator
Music Therapist
Nuclear Medicine Technologist
Occupational Therapist
Occupational Therapy Assistant
Ophthalmic Dispensing Optician
Ophthalmic Laboratory Technician
Ophthalmic Medical Technician/Technologist
Orthotist/Prosthetist

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ALTH PROGRAMS (CALENDAR YEAR 1997),
ACADEMIC YEAR 1996-97

PROGRAMS	ENROLLMENTS	GRADUATES
2	105	27
26	1,201	398
61	2,709	678
16	516	213
333	6615	2996
224	6313	2047
39	921	508
65	421	335
228	7,211	4,343
216	11,207	4,771
34	1,141	383
75	1,500	744
72	2,981	714
534	15,724	6,455
10	156	36
97	5,781	3,035
22	317	151
55	2,599	816
153	7,208	2,144
10	168	59
22	89	65
4	12	9
271	24,333	9,665
5	81	42
49	2,388	331
110	1,330	661
96	13,882	4,223
114	7038	2790
15	792	284
1	14	4
10	128	51
2	69	65

VAILABLE

TABLE 602. NUMBER OF SELECTED ALLIED HE
AND STUDENTS AND GRADUATES, ACAD

OCCUPATION
Pathologists' Assistant
Perfusionist
Physician Assistant
Physical Therapists
Physical Therapy Assistant
Radiographer
Radiation Therapist
Rehabilitation Counselor
Respiratory Therapist
Respiratory Therapy Technician
Specialist in Blood Bank Technology
Surgical Technologist
Therapeutic Recreation Specialist
Total

SOURCE: American Medical Association. Health P
1998-1999. Chicago, 1998.

ALTH PROGRAMS (CALENDAR YEAR 1997),
EMIC YEAR 1996-97 (Continued)

PROGRAMS	ENROLLMENTS	GRADUATES
2	87	7
27	921	122
61	2,221	579
70	7,725	2,673
135	16,979	4,766
116	7,085	3,361
602	20,200	8,009
96	849	422
68	3,768	1,360
293	11,796	4,202
160	9,385	2,501
22	66	86
162	3,796	2,055
28	3,359	1,052
4,827	205,861	79,589

Profess ions Education Directory, 26th Edition,

4

TABLE 603. NUMBER OF CLINICAL LABORATORY SCIENCE
AND STUDENTS AND GRADUATES, SELECTED

					PROGRAMS
YEAR	1984	1985	1986	1988	1989
Programs	619	584	516	466	436

					STUDENTS	
ACADEMIC YEAR	1983-84	1984-85	1985-86	1987-88	1988-89	1
Enrollment	8,883	8,150	6,691	5,796	5,503	
Graduates	5,370	4,862	4,477	3,432	3,148	

SOURCE: American Medical Association. Allied Health and Rehabilita
Also prior annual editions formerly titled Allied Health Education D

PROGRAMS (SELECTED CALENDAR YEARS 1984 TO 1997),
ACADEMIC YEARS 1983-84 TO 1996-97

1990	1991	1992	1993	1994	1995	1997
430	419	404	395	372	366	355

989-90	1990-91	1991-92	1992-93	1994-95	1995-96	1996-97
6,734	6,153	6,848	7,685	7,541	6,985	6,615
3,024	2,932	3,201	3,416	3,572	3,155	2,996

tion Professions Education Directory, 1998-1999. Chicago, 1998.
irectory.

TABLE 604. NUMBER OF CLINICAL LABORATORY TECHNI
AND STUDENTS AND GRADUATES, SELEC

	PROGRAMS				
YEAR	1984	1985	1986	1988	1989
No. Programs	278	281	261	256	258

	STUDENTS				
ACADEMIC YEAR	1983-84	1984-85	1985-86	1987-88	1988-89
Enrollment	8,617	7,455	7,071	6,205	6,273
Graduates	4,054	3,278	2,747	2,370	2,292

SOURCE: American Medical Association. Allied Health and Rehabili
Also prior annual editions formerly titled Allied Health Education

CIAN PROGRAMS (SELECTED CALENDAR YEARS 1984 TO 1997),
TED ACADEMIC YEARS 1983-84 TO 1996-97

1990	1991	1992	1993	1995	1996	1997
256	256	255	253	252	254	263

1989-90	1990-91	1991-92	1992-93	1994-95	1995-96	1996-97
6,668	7,268	7,838	8,735	8,579	7,396	7,234
2,292	2,437	2,559	2,961	3,177	2,930	2,555

tation Professions Education Directory, 1998-99. Chicago, 1998.
Directory.

TABLE 701. ESTIMATED NUMBER OF CLIN
AND PRACTITIONER-TO-POPUL

GEOGRAPHIC AREA	1996 CLINICALLY ACTIVE PSYCHIATRISTS	
	Number	Rate
United States	29,803	11.3
New England	2,835	21.3
Connecticut	709	21.6
Maine	144	11.6
Massachusetts	1,566	25.8
New Hampshire	158	13.8
Rhode Island	144	14.5
Vermont	114	19.5
Middle Atlantic	6,832	17.9
New Jersey	1,039	13.1
New York	4,233	23.3
Pennsylvania	1,560	12.9
South Atlantic	5,083	10.8
Delaware	85	11.9
District of Columbia	282	50.9
Florida	1,255	8.9
Georgia	635	8.8
Maryland	1,026	20.3
North Carolina	645	9.0
South Carolina	308	8.4
Virginia	719	10.9
West Virginia	128	7.0
East South Central	1,089	6.8
Alabama	251	5.9
Kentucky	293	7.6
Mississippi	124	4.6
Tennessee	421	8.0
West South Central	2,098	7.3
Arkansas	163	6.6
Louisiana	368	8.5
Oklahoma	201	6.1
Texas	1,366	7.3

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ICALLY ACTIVE OR CLINICALLY TRAINED MENTAL HEALTH PERSONNEL
ATION RATIOS BY DISCIPLINE AND GEOGRAPHIC AREA

1995 CLINICALLY TRAINED PSYCHOLOGISTS		1996 CLINICALLY TRAINED SOCIAL WORKERS		1995 CLINICALLY TRAINED PSYCHIATRIC NURSES	
Number	Rate	Number	Rate	Number	Rate
53,060	20.2	94,218	35.9	6,800	2.6
5,328	40.0	10,175	76.4	1,452	10.9
862	26.3	2,326	71.0	343	10.5
313	25.2	725	58.4	75	6.0
3,268	53.8	5,469	90.0	825	13.6
343	29.9	611	53.2	70	6.1
217	21.9	750	75.8	93	9.4
325	55.6	294	50.3	46	7.9
11,280	29.6	22,559	59.1	1,333	3.5
2,052	25.8	4,351	54.8	283	3.6
5,752	31.7	14,340	79.1	688	3.8
3,476	28.8	3,868	32.0	362	3.0
7,539	16.0	14,063	29.9	1,316	2.8
160	22.3	222	31.0	22	3.1
871	157.2	598	107.9	30	5.4
1,900	13.4	3,230	22.8	195	1.4
1,094	15.2	1,373	19.1	141	2.0
1,368	27.1	3,450	68.4	405	8.0
985	13.7	1,776	24.7	117	1.6
312	8.5	717	19.5	88	2.4
532	8.0	2,402	36.3	285	4.3
317	17.3	295	16.1	33	1.8
1,609	10.0	2,824	17.6	214	1.3
310	7.3	596	14.0	55	1.3
379	9.8	765	19.8	67	1.7
139	5.2	306	11.3	20	0.7
781	14.9	1,157	22.0	72	1.4
2,894	10.0	6,197	21.5	262	0.9
338	13.6	453	18.2	13	0.5
325	7.5	1,623	37.4	38	0.9
331	10.1	661	20.2	25	0.8
1,900	10.1	3,460	18.5	186	1.0

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TABLE 701. ESTIMATED NUMBER OF CLINIC
AND PRACTITIONER-TO-POPULATION R

GEOGRAPHIC AREA	1996 CLINICALLY ACTIVE PSYCHIATRISTS	
	Number	Rate
East North Central	3,774	8.7
Illinois	1,189	10.1
Indiana	372	6.4
Michigan	873	9.1
Ohio	895	8.0
Wisconsin	445	8.7
West North Central	1,462	8.0
Iowa	148	5.2
Kansas	255	9.9
Minnesota	393	8.5
Missouri	437	8.2
Nebraska	122	7.5
North Dakota	54	8.4
South Dakota	53	7.3
Mountain	1,362	8.7
Arizona	348	8.3
Colorado	452	12.1
Idaho	65	5.6
Montana	62	7.1
Nevada	86	5.6
New Mexico	185	11.0
Utah	137	7.0
Wyoming	27	5.6
Pacific	5,268	12.6
Alaska	60	10.0
California	4,161	13.2
Hawaii	159	13.4
Oregon	311	9.9
Washington	577	10.6

SOURCE: Substance Abuse and Mental Health Serv

CALLY ACTIVE OR CLINICALLY TRAINED MENTAL HEALTH PERSONNEL
RATIOS BY DISCIPLINE AND GEOGRAPHIC AREA (Continued)

1995 CLINICALLY TRAINED PSYCHOLOGISTS		1996 CLINICALLY TRAINED SOCIAL WORKERS		1995 CLINICALLY TRAINED PSYCHIATRIC NURSES	
Number	Rate	Number	Rate	Number	Rate
7,558	17.4	16,915	38.9	609	1.4
2,134	18.0	5,369	45.4	119	1.0
760	13.1	1,956	33.7	74	1.3
1,140	11.9	5,168	54.1	163	1.7
2,764	24.8	2,844	25.5	205	1.8
760	14.8	1,578	30.8	48	0.9
4,512	24.6	4,925	26.8	357	1.9
546	19.2	742	26.1	36	1.3
342	13.3	907	35.4	47	1.8
2,166	47.0	1,078	23.4	148	3.2
1,040	19.5	1,616	30.4	70	1.3
227	13.9	364	22.2	32	2.0
81	12.6	91	14.2	17	2.7
110	15.1	127	17.4	7	1.0
3,087	19.7	4,662	29.8	365	2.3
845	20.0	1,099	26.1	85	2.0
1,130	30.2	1,526	40.7	141	3.8
114	9.8	241	20.7	9	0.8
150	17.2	223	25.6	17	2.0
143	9.3	295	19.3	13	0.8
267	15.8	502	29.8	62	3.7
360	18.5	678	34.8	29	1.5
78	16.3	98	20.4	9	1.9
9,253	22.1	11,898	28.4	868	2.1
92	15.3	596	98.8	33	5.5
7,440	23.6	7,611	24.1	376	1.2
239	20.1	747	62.9	27	2.3
463	14.7	1,255	40.0	87	2.8
1,019	18.8	1,689	31.1	345	6.4

vices Administration. Mental Health United States, 1996.

TABLE 702. NUMBER OF STUDENTS
ACADEMIC Y

ACADEMIC YEAR	APPLICA
1978-79	1
1979-80	
1980-81	1
1981-82	1
1982-83	1
1983-84	
1984-85	1
1985-86	1
1986-87	1
1987-88	1
1988-89	1
1989-90	1
1990-91	1
1991-92	1
1992-93	1
1993-94	1
1994-95	1
1995-96	1
1996-97	1

SOURCE: Association of Schools of Pub

AND GRADUATES FROM SCHOOLS OF PUBLIC HEALTH,
EARS 1978-79 TO 1996-97

	STUDENTS	
TIONS	ENROLLMENTS	GRADUATES
3,000	7,722	2,917
NA	8,215	3,326
1,898	8,486	3,168
1,078	9,047	3,196
0,021	8,896	3,492
9,998	8,937	3,299
0,119	8,957	3,047
0,115	9,494	3,268
0,881	10,104	3,191
1,134	10,761	3,447
0,895	11,001	3,500
1,946	11,085	3,549
1,782	11,386	3,995
3,066	12,032	4,041
5,807	13,329	4,175
6,509	14,449	4,553
7,855	14,653	4,636
7,611	14,973	5,064
3,449	14,507	N/A

lic Health. Annual Data Report, 1996.

TABLE 801. GROSS NATIONAL PRODUCT A
FOR SE

YEAR	GROSS NATIONAL PRODUCT IN BILLIONS
1960	52
1965	71
1970	103
1975	163
1980	278
1981	311
1982	324
1983	351
1984	390
1985	418
1986	442
1987	469
1988	505
1989	543
1990	574
1991	591
1992	624
1993	655
1994	694
1995	726
1996	763

SOURCE: Health Care Financing Administratio
Pub. No. 030407. Baltimore, MD, August 1998.

AND NATIONAL HEALTH EXPENDITURES IN THE UNITED STATES
ELECTED YEARS 1960-1996

	NATIONAL HEALTH EXPENDITURES		
	AMOUNT IN BILLIONS	PERCENT OF GROSS NATIONAL PRODUCT	AMOUNT PER CAPITA
7	26.9	5.1	141
9	41.1	5.7	202
5	73.2	7.1	341
1	130.7	8.0	582
4	247.3	8.9	1,052
6	286.9	9.2	1,208
2	323.0	10.0	1,346
5	355.3	10.1	1,466
2	390.1	10.0	1,594
1	428.7	10.3	1,735
2	461.2	10.4	1,848
2	500.5	10.7	1,986
0	560.4	11.1	2,201
9	623.5	11.5	2,423
4	699.5	12.2	2,691
7	766.8	13.0	2,920
4	836.6	13.4	3,154
8	895.1	13.6	3,341
7	945.7	13.6	3,497
5	991.4	13.6	3,633
5	1,035.1	13.6	3,759

n. Office of Strategic Planning. 1998 Data Compendium.

TABLE 802. CONSUMER PRICE INDEX AND AVERAGE AN
IN THE UNITED STATES

YEAR	ALL ITEMS	MEDICAL CARE	FO
			Consu
1950	24.1	15.1	25
1955	26.8	18.2	27
1960	29.6	22.3	30
1965	31.5	25.2	32
1970	38.8	34.0	39
1975	53.8	47.5	59
1980	82.4	74.9	86
1981	90.9	82.9	93
1982	96.5	92.5	97
1983	99.6	100.6	99
1984	103.9	106.8	103
1985	107.6	113.5	105
1986	109.6	122.0	109
1987	113.6	130.1	113
1988	118.3	138.6	118
1989	124.0	149.3	125
1990	130.7	162.8	132
1991	136.2	177.0	136
1992	140.3	190.1	137
1993	144.5	201.4	140
1994	148.2	211.0	144
1995	152.4	220.5	148
1996	156.9	228.2	153
1997	160.5	234.6	157

NUAL PERCENT CHANGE FOR ALL ITEMS AND SELECTED ITEMS,
, SELECTED YEARS 1950-1997

OD	APPAREL AND UPKEEP	HOUSING	ENERGY	PERSONAL CARE
mer Price Index				
.4	40.3	---	---	26.2
.8	42.9	---	---	29.9
.0	45.7	---	22.4	34.6
.2	47.8	---	22.9	36.6
.2	59.2	36.4	25.5	43.5
.8	72.5	50.7	42.1	57.9
.8	90.9	81.1	86.0	81.9
.6	95.3	90.4	97.7	89.1
.4	97.8	96.9	99.2	95.4
.4	100.2	99.5	99.9	100.3
.2	102.1	103.6	100.9	104.3
.6	105.0	107.7	101.6	108.3
.0	105.9	110.9	88.2	111.9
.5	110.6	114.2	88.6	115.1
.2	115.4	118.5	89.3	119.4
.1	118.6	123.0	94.3	125.0
.4	124.1	128.5	102.1	130.4
.3	128.7	133.6	102.5	134.9
.9	131.9	137.5	103.0	138.3
.9	133.7	141.2	104.2	141.5
.3	133.4	144.8	104.6	144.6
.4	132.0	148.5	105.2	147.1
.3	131.7	152.8	110.1	150.1
.3	132.9	156.8	111.5	152.7

TABLE 802. CONSUMER PRICE INDEX AND AVERAGE AN
IN THE UNITED STATES, SELEC

YEAR	ALL ITEMS	MEDICAL CARE	FO
			Avera
1950-55.....	2.1	3.8	1.
1955-60.....	2.0	4.1	1.
1960-65.....	1.3	2.5	1.
1965-70.....	4.3	6.2	4.
1970-75.....	6.8	6.9	8.
1975-80.....	8.9	9.5	7.
1980-85.....	5.5	8.7	4.
1980-81.....	10.3	10.7	7.
1981-82.....	6.2	11.6	4.
1982-83.....	3.2	8.8	2.
1983-84.....	4.3	6.2	3.
1984-85.....	3.6	6.3	2.
1985-90.....	4.0	7.5	4.
1985-86.....	1.9	7.5	3.
1986-87.....	3.6	6.6	4.
1987-88.....	4.1	6.5	4.
1988-89.....	4.8	7.7	5.
1989-90.....	5.4	9.0	5.
1990-95.....	3.1	6.3	2.
1990-91.....	4.2	8.7	2.
1991-92.....	3.0	7.4	1.
1992-93.....	3.0	5.9	2.
1993-94.....	2.6	4.8	2.
1994-95.....	2.8	4.5	2.
1995-96.....	3.0	3.5	3.
1996-97.....	2.3	2.8	2.

NOTE: 1982-84=100

SOURCE: Bureau of Labor Statistics, U.S. Departmen

UAL PERCENT CHANGE FOR ALL ITEMS AND SELECTED ITEMS,
ED YEARS 1950-1997 (Continued)

D	APPAREL AND UPKEEP	HOUSING	ENERGY	PERSONAL CARE
e annual percent change				
8	1.3	---	---	2.7
5	1.3	---	---	3.0
4	0.9	---	0.4	1.1
0	4.4	---	2.2	3.5
8	4.1	6.9	10.5	5.9
7	4.6	9.9	15.4	7.2
0	2.9	5.8	3.4	5.7
8	4.8	11.5	13.6	8.8
1	2.6	7.2	1.5	7.1
1	2.5	2.7	0.7	5.1
8	1.9	4.1	1.0	4.0
3	2.8	4.0	0.7	3.8
6	3.4	3.6	0.1	3.8
2	0.9	3.0	-13.2	3.3
1	4.4	3.0	0.5	2.9
1	4.3	3.8	0.8	3.7
8	2.8	3.8	5.6	4.7
8	4.6	4.5	8.3	4.3
3	1.2	2.9	0.6	2.4
9	3.7	4.0	0.4	3.5
2	2.5	2.9	0.5	2.5
2	1.4	2.7	1.2	2.3
4	-0.2	2.5	0.4	2.2
8	-1.0	2.6	0.6	1.7
3	-0.2	2.9	4.7	2.0
6	0.9	2.6	1.3	1.7

t of Labor; Consumer Price Index. Various releases.

TABLE 803. NATIONAL HEALTH EXPENDITURES

TYPE OF EXPENDITURE	1980 Bil (C
Total Health Expenditures	$247.3
Health services and supplies	235.6
Personal health care	217.0
Hospital care	102.7
Physicians' services	45.2
Dental services	13.3
Other professional services	6.4
Home health care	2.4
Drugs and non-DME *	21.6
Vision products and DME *	3.8
Nursing home care	17.6
Other personal health care	4.0
Program Administration and Net Cost of Health Insurance	11.9
Government public health	6.7
Research and construction	11.6
Research	5.5
Construction	6.2

* DME = Durable medical equipment

SOURCE: Health Care Financing Administration, vol 19 no 1. HCFA Pub. No. 03400. Washington,

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S BY TYPE OF EXPENDITURE, 1980, 1990 AND 1996

1990 lions of Dollars urrent Dollars)	1996	Percent Change 1990-96	Percent Change 1980-96
$699.5	$1,035.1	48.0	318.6
675.0	1003.6	48.7	326.0
614.7	907.2	47.6	318.1
256.4	358.5	39.8	249.1
146.3	202.1	38.1	347.1
31.6	47.6	50.6	257.9
34.7	58.0	67.1	806.3
13.1	30.2	130.5	1158.3
59.9	91.4	52.6	323.1
10.5	13.3	26.7	250.0
50.9	78.5	54.2	346.0
11.2	27.6	146.4	590.0
40.7	60.9	49.6	411.8
19.6	35.5	81.1	429.9
24.5	31.5	28.6	171.6
12.2	17.0	39.3	209.1
12.3	14.5	17.9	133.9

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